

August 31, 2006

Fluid Minerals Group  
Bureau of Land Management  
Vernal Field Office  
170 South 500 East  
Vernal, Utah 84078

RE: Application for Permit to Drill—Dominion Exploration & Production, Inc.  
**RBU 31-13E**

*Surface Location:* 2,433' FSL & 2,036' FEL, NW/4 SE/4,  
*Target Location:* 1,350' FSL & 2,400' FEL, NW/4 SE/4,  
Section 13, T10S, R19E, SLB&M, Uintah County, Utah

Dear Fluid Minerals Group:

On behalf of Dominion Exploration & Production, Inc. (Dominion), Buys & Associates, Inc. respectfully submits the enclosed original and three copies of the Application for Permit to Drill (APD) for the above referenced BLM administered directional 20-acre in-field well. The location of the surface and target location as well as all points along the intended well bore path are not within 460 feet of the unit boundary or any uncommitted tracts. Included with the APD is the following supplemental information:

Exhibit "A" - Survey plats, layouts and photos of the proposed well site;

Exhibit "B" - Proposed location maps with access and utility corridors;

Exhibit "C" - Production site layout;

Exhibit "D" - Drilling Plan;

Exhibit "E" - Surface Use Plan;

Exhibit "F" - Typical BOP and Choke Manifold diagram.

Please accept this letter as Dominion's, written request for confidential treatment of all information contained in and pertaining to this application.

Thank you very much for your timely consideration of this application. Please feel free to contact myself or Carla Christian of Dominion at 405-749-5263 if you have any questions or need additional information.

Sincerely,

*Don Hamilton*

Don Hamilton  
Agent for Dominion

cc: Diana Whitney, Division of Oil, Gas and Mining  
Carla Christian, Dominion  
Ken Secrest, Dominion

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DIV. OF OIL, GAS & MINING

FILE COPY

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
**APPLICATION FOR PERMIT TO DRILL OR REENTER**

FORM APPROVED  
OMB No. 1004-0137  
Expires March 31, 2007

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. U -013765
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Dominion Exploration & Production, Inc.		7. If Unit or CA Agreement, Name and No. River Bend Unit
3a. Address 14000 Quail Springs Parkway, Suite 600 Oklahoma City, OK 73134	3b. Phone No. (include area code) 405-749-5263	8. Lease Name and Well No. RBU 31-13E
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface 2,433' FSL & 2,036' FEL, NW/4 SE/4, At proposed prod. zone 1,350' FSL & 2,400' FEL, NW/4 SE/4,		9. API Well No. 43-047-38547
14. Distance in miles and direction from nearest town or post office* 10.15 miles southwest of Ouray, Utah		10. Field and Pool, or Exploratory Natural Buttes
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 2,036'		11. Sec., T. R. M. or Blk. and Survey or Area Section 13, T10S, R19E, SLB&M
16. No. of acres in lease 1097.87 acres	17. Spacing Unit dedicated to this well 20 acres	12. County or Parish Utah
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 10'	19. Proposed Depth 8,650' TVD (8,948' MD)	13. State UT
20. BLM/BIA Bond No. on file WY 3322	21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5,106' GR	22. Approximate date work will start* 02/01/2007
23. Estimated duration 14 days		

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification
- Such other site specific information and/or plans as may be required by the BLM.

25. Signature <b>Don Hamilton</b>	Name (Printed/Typed) Don Hamilton	Date 08/31/2006
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Title  
Agent for Dominion

Approved by (Signature)	Name (Printed/Typed) BRADLEY G. HILL	Date 09-25-06
Title	Officer ENVIRONMENTAL MANAGER	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on page 2)

Federal Approval of this  
Action is Necessary

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Surf

608640X

4422401Y

39. 946835

- 109. 728306

BHL

608537X

4422089Y

39. 943860

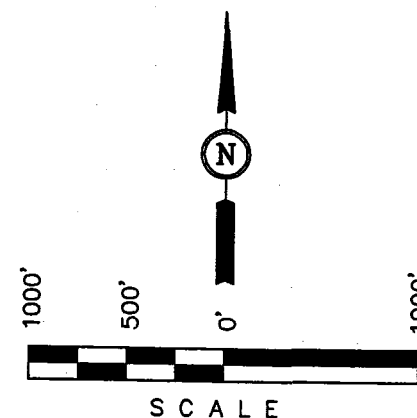
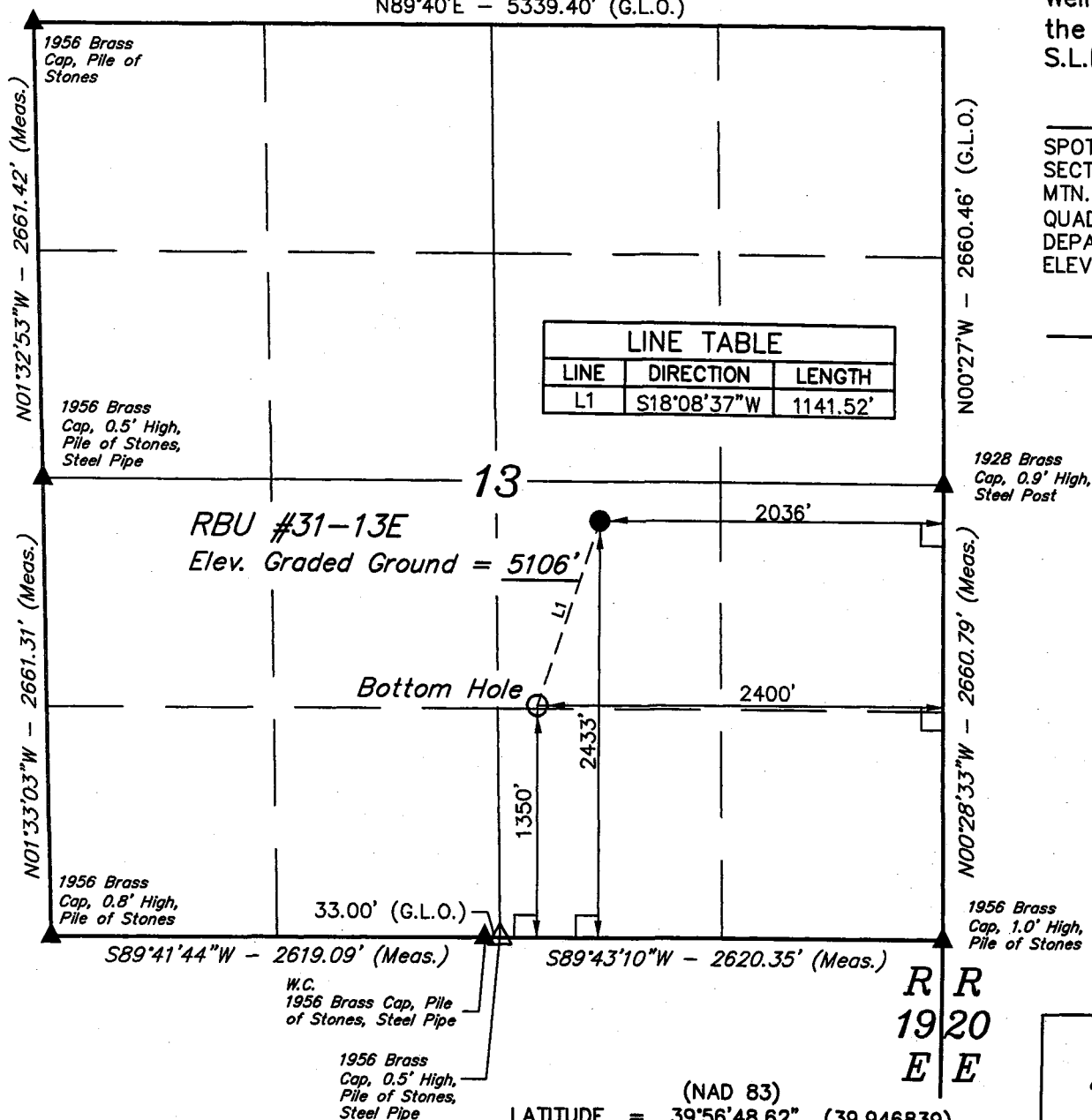
- 109. 729564

N89°40'E - 5339.40' (G.L.O.)

Well location, RBU #31-13E, located as shown in the NW 1/4 SE 1/4 of Section 13, T10S, R19E, S.L.B.&M., Uintah County, Utah.

SPOT ELEVATION LOCATED AT THE SOUTHWEST CORNER OF SECTION 20, T10S, R20E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN. NW QUADRANGLE, UTAH, UINTAH COUNTY 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5251 FEET.

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



THIS IS TO CERTIFY THAT THE ABOVE MAP WAS PREPARED FROM  
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY  
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE  
BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR  
REGISTRATION NO. 161319  
STATE OF UTAH

UNTAH ENGINEERING & LAND SURVEYING  
85 SOUTH 200 EAST - VERNAL, UTAH 84078  
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 07-05-06	DATE DRAWN: 07-10-06
PARTY B.B.      T.A.      S.L.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE DOMINION EXPLR. & PROD., INC.	

L = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

(NAD 83)  
LATITUDE = 39°56'48.62" (39.946839)  
LONGITUDE = 109°43'44.42" (109.729006)

(NAD 27)  
LATITUDE = 39°56'48.75" (39.946875)  
LONGITUDE = 109°43'41.92" (109.728311)

## DRILLING PLAN

### APPROVAL OF OPERATIONS

#### Attachment for Permit to Drill

**Name of Operator:** Dominion Exploration & Production  
**Address:** 14000 Quail Springs Parkway, Suite 600  
Oklahoma City, OK 73134  
**Well Location:** RBU 31-13E  
SHL: 2433' FSL & 2036' FEL Section 13-10S-19E  
BHL: 1350' FSL & 2400' FEL Section 13-10S-19E  
Uintah County, UT

1. GEOLOGIC SURFACE FORMATION Uintah

2. ESTIMATED DEPTHS OF IMPORTANT GEOLOGIC MARKERS

<u>Formation</u>	<u>Depth</u>
Wasatch Tongue	4,155'
Uteland Limestone	4,515'
Wasatch	4,675'
Chapita Wells	5,585'
Uteland Buttes	6,835'
Mesaverde	7,725'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS

<u>Formation</u>	<u>Depth</u>	<u>Type</u>
Wasatch Tongue	4,155'	Oil
Uteland Limestone	4,515'	Oil
Wasatch	4,675'	Gas
Chapita Wells	5,585'	Gas
Uteland Buttes	6,835'	Gas
Mesaverde	7,725'	Gas

4. PROPOSED CASING PROGRAM

All casing used to drill this well will be new casing.

<u>Type</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Conn.</u>	<u>Top</u>	<u>Bottom</u>	<u>Hole</u>
Surface	13-3/8"	48.0 ppf	H-40	STC	0'	500'	17-1/2"
Intermediate	9-5/8"	36.0 ppf	J-55	STC	0'	3,650'	12-1/4"
Production	5-1/2"	17.0 ppf	MAV-80	LTC	0'	8,650'	7-7/8"

5. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL

Surface hole: No BOPE will be utilized.

Intermediate hole: To be drilled using a diverter stack with rotating head to divert flow from rig floor.

Production hole: Prior to drilling out the intermediate casing shoe, 3,000 psi or greater BOP equipment will be installed. The pipe rams will be operated at least once per day from surface to total depth. The blind rams will be tested once per day from surface to total depth if operations permit.

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## DRILLING PLAN

### APPROVAL OF OPERATIONS

A diagram of the planned BOP equipment for normal drilling operations in this area is attached. As denoted there will be two valves and one check valve on the kill line, two valves on the choke line, and two adjustable chokes on the manifold system. The BOP "stack" will consist of two BOP rams (1 pipe, 1 blind) and one annular type preventer, all rated to a minimum of 3,000 psi working pressure.

The BOP equipment will be pressure tested prior to drilling out surface casing shoe and anytime a new casing string is set. All test pressures will be maintained for fifteen (15) minutes without any significant pressure decrease. Clear water will be circulated into the BOP stack and lines prior to pressure testing. The following test pressures will be used as a minimum for various equipment items.

1.	Annular BOP	1,500 psi
2.	Ram type BOP	3,000 psi
3.	Kill line valves	3,000 psi
4.	Choke line valves and choke manifold valves	3,000 psi
5.	Chokes	3,000 psi
6.	Casing, casinghead & weld	1,500 psi
7.	Upper kelly cock and safety valve	3,000 psi
8.	Dart valve	3,000 psi

#### 6. MUD SYSTEMS

- An air or an air/mist system may be used to drill the surface hole until water influx becomes too great.
- KCL mud system will be used to drill well.
- The mud system will be monitored manually/visually.

<u>Depths</u>	<u>Mud Weight (ppg)</u>	<u>Mud System</u>
0' - 500'	8.4	Air foam mist, no pressure control
500' - 3,650'	8.6	Fresh water, rotating head and diverter
3,650' - 8,650'	8.6	Fresh water/2% KCL/KCL mud system

#### 7. BLOOIE LINE

- An automatic igniter will not be installed on blooie line. The blooie will have a constant ignition source.
- A "target tee" connection will be installed on blooie line for 90° change of directions for abrasion resistance.
- "Target tee" connections will be a minimum of 50' from wellhead.
- The blooie line discharge will be a minimum of 80' from the wellhead.

#### 8. AUXILIARY EQUIPMENT TO BE USED

- a. Kelly cock.
- b. Full opening valve with drill pipe connection will be kept on floor. Valve will be used when the kelly is not in string.

#### 9. TESTING, LOGGING, AND CORING PROGRAMS TO BE FOLLOWED

- A drillstem test in the Wasatch Tongue is possible.
- One electric line wire-log will be run from total depth to intermediate casing.
- The gamma ray will be left on to record from total depth to intermediate casing.
- Other log curves (resistivities, porosity, and caliper) will record from total depth to intermediate casing.
- A dipmeter, percussion cores, or rotary cores may be run over selected intervals.

#### 10. ANTICIPATED ABNORMAL PRESSURES OR TEMPERATURES EXPECTED

- Expected BHP 1,500-2,000 psi (lower than normal pressure gradient).
- No abnormal temperature or pressures are anticipated.
- The formations to be penetrated do not contain known H<sub>2</sub>S gas.

#### 11. WATER SUPPLY

- No water pipelines will be laid for this well.
- No water well will be drilled for this well.
- Drilling water for this will be hauled on the road(s) shown in Attachment No. 3.
- Water will be hauled from: Water Permit # 43-10447 Section 9, Township 8 South, Range 20 East

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## DRILLING PLAN

### APPROVAL OF OPERATIONS

#### 12. CEMENT SYSTEMS

##### a. Surface Cement:

- Drill 17-1/2" hole to 500' and cement 13-3/8" to surface with 450 sks class "C" cement with 2% CaCl<sub>2</sub> and 1/4 #/sk. Polyflake (volume includes 70% excess). Top out as necessary. Casing to be centralized with a total of 5 centralizers.

##### b. Intermediate Casing Cement:

- Drill 12-1/4" hole to 3,650'±, run and cement 9-5/8" to surface.
- Pump 20 bbls lightly weighted water spacer followed by 5 bbls fresh water. Displace with any available water.
- Casing to be run with: a) guide shoe b) insert float c) three (3) centralizers, one on each of first 3 joints d) stop ring for plug one joint off bottom e) bottom three joints thread locked f) pump job with bottom plug only. Casing to be centralized with a total of 15 centralizers.
- Cement to surface not required due to surface casing set deeper than normal.

Type	Sacks	Interval	Density	Yield	Hole Volume	Cement Volume
Lead	431	0'-3,150'	10.5 ppg	4.14 CFS	1021 CF	1,787 CF
Tail	254	3,150'-3,650'	15.6 ppg	1.2 CFS	174 CF	305 CF

Intermediate design volumes based on 75% excess of gauge hole.

Lead Mix: Halliburton Prem Plus V blend. Blend includes Class "C" cement, gel, salt, gilsonite, EX-1 and HR-7.  
Slurry yield: 4.14 cf/sack      Slurry weight: 10.5 #/gal.  
Water requirement: 26.07 gal/sack  
Compressives @ 110°F: 72 psi after 24 hours

Tail Mix: Class "G" Cement, 1/4 lb/sk Cellophane Flakes + 2% bwoc Calcium Chloride + 46.5% fresh water.  
Slurry yield: 1.20 cf/sack      Slurry weight: 15.6 #/gal.  
Pump Time: 1 hr. 5 min. @ 110 °F.  
Compressives @ 110 °F: 2,500 psi after 24 hours

##### c. Production Casing Cement:

- Drill 7-7/8" hole to 8,650'±, run and cement 5 1/2".
- Pump 20 bbl Mud Clean II unweighted spacer, followed by 20 Bbls fresh H2O spacer.
- Displace with 2% KCL.
- Production casing to be centralized with 30 centralizers.

Type	Sacks	Interval	Density	Yield	Hole Volume	Cement Volume
Lead	90	3,875'-4,675'	11.5 ppg	3.12 CFS	139 CF	277 CF
Tail	790	4,675'-8,650'	13.0 ppg	1.75 CFS	689 CF	1377 CF

Production design volumes based on 35% excess of gauge hole. Actual volumes will be calculated from caliper log to bring lead cement to 800' above top of Wasatch + 15% excess, and tail cement to top of Wasatch +15%.

Lead Mix: Halliburton Prem Plus V blend. Blend includes Class "C" cement, gel, salt, gilsonite, EX-1 and HR-7.  
Slurry yield: 3.12 cf/sack      Slurry weight: 11.60 #/gal.  
Water requirement: 17.71 gal/sack  
Compressives @ 130°F: 157 psi after 24 hours

Tail Mix: Halliburton HLC blend (Prem Plus V/JB flyash). Blend includes Class "G" cement, KCl, EX-1, Halad 322, & HR-5.  
Slurry yield: 1.75 cf/sack      Slurry weight: 13.00 #/gal.  
Water requirement: 9.09 gal/sack  
Compressives @ 165°F: 905 psi after 24 hours

#### 13. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS

Starting Date: February 1, 2007  
Duration: 14 Days

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**Dominion**

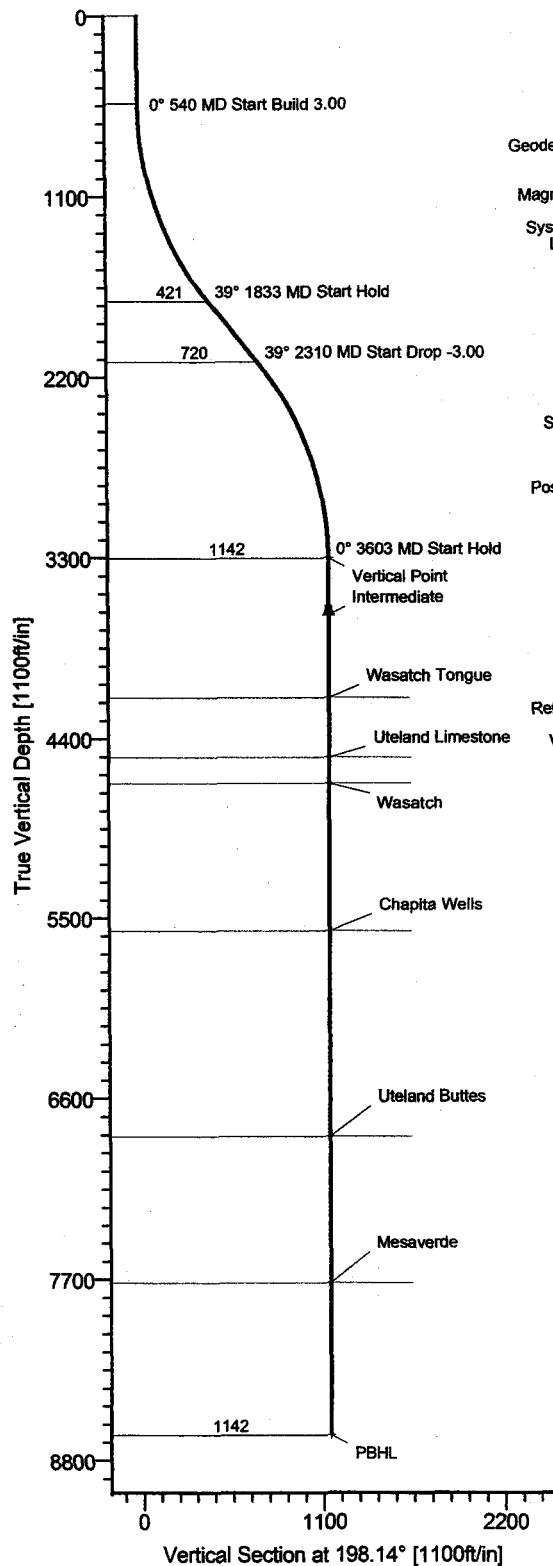
## Dominion Exploration & Production

Field: Uintah County, Utah  
Site: RBU 31-13E  
Well: RBU 31-13E  
Wellpath: Original Hole  
Plan: Plan #1



Azimuths to True North  
Magnetic North: 11.77°

Magnetic Field  
Strength: 52803nT  
Dip Angle: 65.91°  
Date: 8/23/2006  
Model: igr2005



### FIELD DETAILS

Uintah County, Utah  
Utah - Natural Buttes  
USA

Geodetic System: US State Plane Coordinate System 1983  
Ellipsoid: GRS 1980  
Zone: Utah, Central Zone  
Magnetic Model: igr2005  
System Datum: Mean Sea Level  
Local North: True North

### SITE DETAILS

RBU 31-13E  
Sec 13 10S, 19 E  
Uintah County, Utah

Site Centre Latitude: 39°56'48.620N  
Longitude: 109°43'44.420W

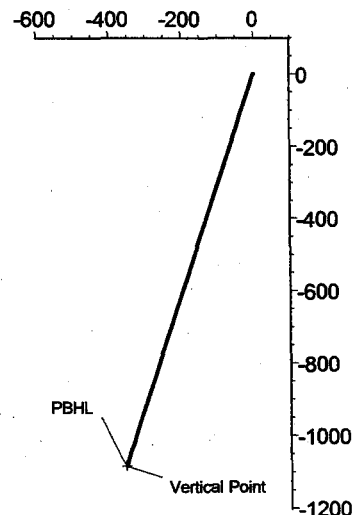
Ground Level: 5106.00  
Positional Uncertainty: 0.00  
Convergence: 1.13

### WELLPATH DETAILS

Original Hole

Rig: Est RKB 5125.00ft  
Ref. Datum: V. Section Angle 198.14°  
Origin +N-S 0.00  
Origin +E-W 0.00  
Starting From TVD 8650.00

West(-)/East(+) [500ft/in]



### WELL DETAILS

Name	+N-S	+E-W	Northing	Easting	Latitude	Longitude	Slot
RBU 31-13E	0.00	0.00	7154289.34	2136890.89	39°56'48.620N	109°43'44.420W	N/A

### TARGET DETAILS

Name	TVD	+N-S	+E-W	Shape
Vertical Point	3305.00	-1084.76	-355.47	Point
PBHL	8650.00	-1084.76	-355.47	Point

### FORMATION TOP DETAILS

No.	TVDPATH	MDPATH	Formation
1	4155.00	4453.36	Wasatch Tongue
2	4515.00	4813.36	Uteland Limestone
3	4675.00	4973.36	Wasatch
4	5585.00	5883.36	Chapita Wells
5	6835.00	7133.36	Uteland Buttes
6	7725.00	8023.36	Mesaverde

### SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	DLeg	TFace	VSec	Target
1	0.00	0.00	198.14	0.00	0.00	0.00	0.00	0.00	0.00	
2	540.00	0.00	198.14	540.00	0.00	0.00	0.00	0.00	0.00	
3	1832.94	38.79	198.14	1736.41	-400.26	-131.16	3.00	198.14	421.21	
4	2310.36	38.79	198.14	2108.53	-684.48	-224.30	0.00	0.00	720.29	
5	3603.36	0.00	198.14	3305.00	-1084.76	-355.47	3.00	180.00	1141.52	Vertical Point
6	8948.36	0.00	198.14	8650.00	-1084.76	-355.47	0.00	198.14	1141.52	PBHL

Ryan Energy Technologies  
19510 Oil Center Blvd  
Houston, TX 77073  
Ph: 281-443-1414  
Fx: 281-443-1676



The leader in  
UNCONVENTIONAL INTELLIGENCE™

Plan: Plan #1 (RBU 31-13E/Original Hole)  
Created By: Alexis Gonzalez Date: 9/24/2006  
Checked: Date:   
Reviewed: Date:   
Approved: Date:



# Ryan Energy Technologies

## Planning Report



Company: Dominion Exploration & Product  
Field: Uintah County, Utah  
Site: RBU 31-13E  
Well: RBU 31-13E  
Wellpath: Original Hole

Date: 8/24/2006 Time: 09:19:21 Page: 1  
Co-ordinate(NE) Reference: Well: RBU 31-13E, True North  
Vertical (TVD) Reference: Est RKB 5125.0  
Section (VS) Reference: Well (0.00N,0.00E,198.14Azi)  
Plan: Plan #1

Field: Uintah County, Utah  
Utah - Natural Buttes  
USA

Map System: US State Plane Coordinate System 1983  
Geo Datum: GRS 1980  
Sys Datum: Mean Sea Level

Map Zone: Utah, Central Zone  
Coordinate System: Well Centre  
Geomagnetic Model: igrf2005

Site: RBU 31-13E  
Sec 13 10S, 19 E  
Uintah County, Utah

Site Position:  
From: Geographic  
Position Uncertainty: 0.00 ft  
Ground Level: 5106.00 ft

Northing: 7154289.34 ft  
Easting: 2136890.89 ft

Latitude: 39 56 48.620 N  
Longitude: 109 43 44.420 W  
North Reference: True  
Grid Convergence: 1.13 deg

Well: RBU 31-13E

Slot Name:

Well Position: +N/-S 0.00 ft  
+E/-W 0.00 ft  
Position Uncertainty: 0.00 ft

Northing: 7154289.34 ft  
Easting: 2136890.89 ft

Latitude: 39 56 48.620 N  
Longitude: 109 43 44.420 W

Wellpath: Original Hole

Current Datum: Est RKB  
Magnetic Data: 8/23/2006  
Field Strength: 52803 nT  
Vertical Section: Depth From (TVD)  
ft

Height 5125.00 ft

Drilled From: Surface  
Tie-on Depth: 0.00 ft  
Above System Datum: Mean Sea Level  
Declination: 11.77 deg  
Mag Dip Angle: 65.91 deg  
+N/-S  
+E/-W  
ft  
Direction  
deg

8650.00

0.00

0.00

198.14

Plan: Plan #1

Date Composed: 8/23/2006  
Version: 1  
Tied-to: From Surface

Principal: Yes

### Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	198.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
540.00	0.00	198.14	540.00	0.00	0.00	0.00	0.00	0.00	0.00	
1832.94	38.79	198.14	1736.41	-400.26	-131.16	3.00	3.00	0.00	198.14	
2310.36	38.79	198.14	2108.53	-684.48	-224.30	0.00	0.00	0.00	0.00	
3603.36	0.00	198.14	3305.00	-1084.76	-355.47	3.00	-3.00	0.00	180.00	Vertical Point
8948.36	0.00	198.14	8650.00	-1084.76	-355.47	0.00	0.00	0.00	198.14	PBHL

### Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
540.00	0.00	198.14	540.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	1.80	198.14	599.99	-0.90	-0.29	0.94	3.00	3.00	0.00	
700.00	4.80	198.14	699.81	-6.37	-2.09	6.70	3.00	3.00	0.00	
800.00	7.80	198.14	799.20	-16.79	-5.50	17.67	3.00	3.00	0.00	
900.00	10.80	198.14	897.87	-32.15	-10.53	33.83	3.00	3.00	0.00	
1000.00	13.80	198.14	995.56	-52.39	-17.17	55.13	3.00	3.00	0.00	
1100.00	16.80	198.14	1092.01	-77.46	-25.38	81.52	3.00	3.00	0.00	
1200.00	19.80	198.14	1186.94	-107.30	-35.16	112.91	3.00	3.00	0.00	
1300.00	22.80	198.14	1280.10	-141.82	-46.47	149.24	3.00	3.00	0.00	
1400.00	25.80	198.14	1371.23	-180.92	-59.29	190.39	3.00	3.00	0.00	
1500.00	28.80	198.14	1460.08	-224.50	-73.57	236.25	3.00	3.00	0.00	
1600.00	31.80	198.14	1546.41	-272.44	-89.28	286.70	3.00	3.00	0.00	
1700.00	34.80	198.14	1629.98	-324.61	-106.37	341.59	3.00	3.00	0.00	
1800.00	37.80	198.14	1710.56	-380.86	-124.81	400.79	3.00	3.00	0.00	
1832.94	38.79	198.14	1736.41	-400.26	-131.16	421.21	3.00	3.00	0.00	





# Ryan Energy Technologies

## Planning Report



Company: Dominion Exploration & Product  
Field: Uintah County, Utah  
Site: RBU 31-13E  
Well: RBU 31-13E  
Wellpath: Original Hole

Date: 8/24/2006 Time: 09:19:21  
Co-ordinate(NE) Reference: Well: RBU 31-13E, True North  
Vertical (TVD) Reference: Est RKB 5125.0  
Section (VS) Reference: Well (0.00N,0.00E,198.14Azi)  
Plan: Plan #1

Page: 2

### Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
1900.00	38.79	198.14	1788.68	-440.18	-144.25	463.22	0.00	0.00	0.00	
2000.00	38.79	198.14	1866.62	-499.72	-163.75	525.86	0.00	0.00	0.00	
2100.00	38.79	198.14	1944.57	-559.25	-183.26	588.51	0.00	0.00	0.00	
2200.00	38.79	198.14	2022.51	-618.78	-202.77	651.16	0.00	0.00	0.00	
2300.00	38.79	198.14	2100.46	-678.31	-222.28	713.80	0.00	0.00	0.00	
2310.36	38.79	198.14	2108.53	-684.48	-224.30	720.29	0.00	0.00	0.00	
2400.00	36.10	198.14	2179.70	-736.27	-241.27	774.79	3.00	-3.00	0.00	
2500.00	33.10	198.14	2262.00	-790.22	-258.95	831.57	3.00	-3.00	0.00	
2600.00	30.10	198.14	2347.16	-840.01	-275.27	883.96	3.00	-3.00	0.00	
2700.00	27.10	198.14	2434.95	-885.50	-290.17	931.83	3.00	-3.00	0.00	
2800.00	24.10	198.14	2525.12	-926.55	-303.63	975.03	3.00	-3.00	0.00	
2900.00	21.10	198.14	2617.43	-963.07	-315.59	1013.46	3.00	-3.00	0.00	
3000.00	18.10	198.14	2711.63	-994.94	-326.04	1047.00	3.00	-3.00	0.00	
3100.00	15.10	198.14	2807.45	-1022.09	-334.93	1075.57	3.00	-3.00	0.00	
3200.00	12.10	198.14	2904.63	-1044.43	-342.26	1099.08	3.00	-3.00	0.00	
3300.00	9.10	198.14	3002.91	-1061.91	-347.98	1117.48	3.00	-3.00	0.00	
3400.00	6.10	198.14	3102.02	-1074.48	-352.10	1130.70	3.00	-3.00	0.00	
3500.00	3.10	198.14	3201.69	-1082.10	-354.60	1138.72	3.00	-3.00	0.00	
3603.36	0.00	198.14	3305.00	-1084.76	-355.47	1141.52	3.00	-3.00	0.00	Vertical Point
3700.00	0.00	198.14	3401.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
3800.00	0.00	198.14	3501.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
3900.00	0.00	198.14	3601.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
3948.36	0.00	198.14	3650.00	-1084.76	-355.47	1141.52	0.00	0.00	0.00	Intermediate
4000.00	0.00	198.14	3701.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
4100.00	0.00	198.14	3801.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
4200.00	0.00	198.14	3901.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
4300.00	0.00	198.14	4001.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
4400.00	0.00	198.14	4101.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
4453.36	0.00	198.14	4155.00	-1084.76	-355.47	1141.52	0.00	0.00	0.00	Wasatch Tongue
4500.00	0.00	198.14	4201.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
4600.00	0.00	198.14	4301.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
4700.00	0.00	198.14	4401.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
4800.00	0.00	198.14	4501.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
4813.36	0.00	198.14	4515.00	-1084.76	-355.47	1141.52	0.00	0.00	0.00	Uteland Limestone
4900.00	0.00	198.14	4601.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
4973.36	0.00	198.14	4675.00	-1084.76	-355.47	1141.52	0.00	0.00	0.00	Wasatch
5000.00	0.00	198.14	4701.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
5100.00	0.00	198.14	4801.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
5200.00	0.00	198.14	4901.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
5300.00	0.00	198.14	5001.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
5400.00	0.00	198.14	5101.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
5500.00	0.00	198.14	5201.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
5600.00	0.00	198.14	5301.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
5700.00	0.00	198.14	5401.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
5800.00	0.00	198.14	5501.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
5883.36	0.00	198.14	5585.00	-1084.76	-355.47	1141.52	0.00	0.00	0.00	Chapita Wells
5900.00	0.00	198.14	5601.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
6000.00	0.00	198.14	5701.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
6100.00	0.00	198.14	5801.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
6200.00	0.00	198.14	5901.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
6300.00	0.00	198.14	6001.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
6400.00	0.00	198.14	6101.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
6500.00	0.00	198.14	6201.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
6600.00	0.00	198.14	6301.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	



# Ryan Energy Technologies

## Planning Report



Company: Dominion Exploration & Product  
Field: Uintah County, Utah  
Site: RBU 31-13E  
Well: RBU 31-13E  
Wellpath: Original Hole

Date: 8/24/2006 Time: 09:19:21  
Co-ordinate(NE) Reference: Well: RBU 31-13E, True North  
Vertical (TVD) Reference: Est RKB 5125.0  
Section (VS) Reference: Well (0.00N,0.00E,198.14Azi)  
Plan: Plan #1

Page: 3

### Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
6700.00	0.00	198.14	6401.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
6800.00	0.00	198.14	6501.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
6900.00	0.00	198.14	6601.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
7000.00	0.00	198.14	6701.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
7100.00	0.00	198.14	6801.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
7133.36	0.00	198.14	6835.00	-1084.76	-355.47	1141.52	0.00	0.00	0.00	Uteland Buttes
7200.00	0.00	198.14	6901.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
7300.00	0.00	198.14	7001.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
7400.00	0.00	198.14	7101.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
7500.00	0.00	198.14	7201.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
7600.00	0.00	198.14	7301.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
7700.00	0.00	198.14	7401.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
7800.00	0.00	198.14	7501.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
7900.00	0.00	198.14	7601.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
8000.00	0.00	198.14	7701.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
8023.36	0.00	198.14	7725.00	-1084.76	-355.47	1141.52	0.00	0.00	0.00	Mesaverde
8100.00	0.00	198.14	7801.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
8200.00	0.00	198.14	7901.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
8300.00	0.00	198.14	8001.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
8400.00	0.00	198.14	8101.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
8500.00	0.00	198.14	8201.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
8600.00	0.00	198.14	8301.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
8700.00	0.00	198.14	8401.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
8800.00	0.00	198.14	8501.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
8900.00	0.00	198.14	8601.64	-1084.76	-355.47	1141.52	0.00	0.00	0.00	
8948.36	0.00	198.14	8650.00	-1084.76	-355.47	1141.52	0.00	0.00	0.00	PBHL

### Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	← Latitude → Deg Min Sec			← Longitude → Deg Min Sec		
Vertical Point			3305.00	-1084.76	-355.47	7153197.762136556.97	7153197.762136556.97	39	56	37.899 N	109	43	48.984 W
-Plan hit target													
PBHL			8650.00	-1084.76	-355.47	7153197.762136556.97	7153197.762136556.97	39	56	37.899 N	109	43	48.984 W
-Plan hit target													

### Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
3948.36	3650.00	9.625	9.625	Intermediate

### Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
4453.36	4155.00	Wasatch Tongue		0.00	0.00
4813.36	4515.00	Uteland Limestone		0.00	0.00
4973.36	4675.00	Wasatch		0.00	0.00
5883.36	5585.00	Chapita Wells		0.00	0.00
7133.36	6835.00	Uteland Buttes		0.00	0.00
8023.36	7725.00	Mesaverde		0.00	0.00

## **SURFACE USE PLAN**

### **CONDITIONS OF APPROVAL**

#### ***Attachment for Permit to Drill***

**Name of Operator:** Dominion Exploration & Production  
**Address:** 14000 Quail Springs Parkway, Suite 600  
Oklahoma City, OK 73134  
**Well Location:** RBU 31-13E  
SHL: 2433' FSL & 2036' FEL Section 13-10S-19E  
BHL: 1350' FSL & 2400' FEL Section 13-10S-19E  
Uintah County, UT

The dirt contractor will be provided with an approved copy of the surface use plan of operations before initiating construction.

The BLM onsite inspection for the referenced well was conducted on Thursday, August 10, 2006 at approximately 11:00 am. In attendance at the onsite inspection were the following individuals:

Karl Wright	Nat. Res. Prot. Spec.	Bureau of Land Management – Vernal
Brandon McDonald	Wildlife Biologist	Bureau of Land Management – Vernal
Ken Secrest	Field Foreman	Dominion E & P, Inc.
Brandon Bowthorpe	Surveyor	Uintah Engineering & Land Surveying
Billy McClure	Foreman	LaRose Construction
Randy Jackson	Foreman	Jackson Construction
Don Hamilton	Agent	Buys & Associates, Inc.

1. **Existing Roads:**

- a. No upgrades to existing roads and no new roads are proposed at this time since access will utilize the existing road to the existing well site.
- b. The proposed well site is located approximately 10.15 miles southwest of Ouray, UT.
- c. Directions to the proposed well site have been attached at the end of Exhibit B.
- d. The use of roads under State and County Road Department maintenance are necessary to access the River Bend Unit. However, an encroachment permit is not anticipated since no upgrades to the State or County Road system are proposed at this time.
- e. All existing roads will be maintained and kept in good repair during all phases of operation.
- e. Vehicle operators will obey posted speed restrictions and observe safe speeds commensurate with road and weather conditions.
- f. Since no improvements are anticipated to any State, County, Tribal or BLM access roads no topsoil striping will occur.
- g. An off-lease federal right-of-way is not anticipated for the access road or utility corridor since both are located within the existing River Bend Unit boundary and both utilize entirely existing disturbance.

2. Planned Access Roads:

- a. The proposed well utilizes the existing wellsite RBU 10-13E with no new access proposed.
- b. The operator will be responsible for all maintenance of the existing access road including drainage structures.

3. Location of Existing Wells:

- a. Exhibit B has a map reflecting these wells within a one mile radius of the proposed well.

4. Location of Production Facilities:

- a. All permanent structures will be painted a flat, non-reflective Desert Brown or Carlsbad Canyon to match the standard environmental colors. All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded.
- b. Site security guidelines identified in 43 CFR 3163.7-5 and Onshore Oil and Gas Order No. 3 will be adhered to.
- c. A gas meter run will be constructed and located on lease within 500 feet of the wellhead. Meter runs will be housed and/or fenced. All gas production and measurement shall comply with the provisions of 43 CFR 3162.7-3, Onshore Oil and Gas Order No. 5, and American Gas Association (AGA) Report No. 3.
- d. A tank battery will be constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain the storage capacity of the largest tank. All loading lines and valves will be placed inside the berm surrounding the tank battery. All liquid hydrocarbons production and measurement shall conform to the provisions of 43 CFR 3162.7-3 and Onshore Oil and Gas Order No. 4 and Onshore Oil and Gas Order No. 5 for natural gas production and measurement.
- e. Any necessary pits will be properly fenced to prevent any wildlife and livestock entry.
- f. All access roads will be maintained as necessary to prevent erosion and accommodate year-round traffic. The road will be maintained in a safe useable condition.
- g. The site will require periodic maintenance to ensure that drainages are kept open and free of debris, ice, and snow, and that surfaces are properly treated to reduce erosion, fugitive dust, and impacts to adjacent areas.
- f. No new pipeline corridors are proposed at this time since gas transportation will utilize the existing pipeline network to the existing well site.
- g. The existing pipeline will be upgrade to 10" or less, as needed, from the proposed well to the existing Compressor #3 to provide additional production transportation capacity from the proposed 20 acre in-field wells.
- h. The upgraded gas pipeline will be a 10" or less steel surface line within a 20' wide utility corridor. The use of the proposed well site and access roads will facilitate the staging of the pipeline construction.
- i. Dominion intends on installing the upgraded pipeline on the surface by welding many joints

into long lengths, dragging the long lengths into position and then completing a final welding pass to join the long lengths together. Dominion intends on connecting the pipeline together utilizing conventional welding technology.

5. Location and Type of Water Supply:

- a. The location and type of water supply has been addressed as number 11 within the previous drilling plan information.

6. Source of Construction Material:

- a. The use of materials will conform to 43 CFR 3610.2-3.
- b. No construction materials will be removed from Ute Tribal or BLM lands.
- c. If any gravel is used, it will be obtained from a state approved gravel pit.

7. Methods of Handling Waste Disposal:

- a. All wastes associated with this application will be contained and disposed of utilizing approved facilities.
- b. Drill cuttings will be contained and buried on site.
- c. The reserve pit will be located outboard of the location and along the southwest side of the pad.
- d. The reserve pit will be constructed so as not to leak, break, or allow any discharge.
- e. The reserve pit will be lined with 16 mil minimum thickness plastic nylon reinforced liner material. The liner will overlay a felt liner pad only if rock is encountered during excavation. The pit liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit. Pit walls will be sloped no greater than 2:1. A minimum 2-foot freeboard will be maintained in the pit at all times during the drilling and completion operation.
- f. The reserve pit has been located in cut material. Three sides of the reserve pit will be fenced before drilling starts. The fourth side will be fenced as soon as drilling is completed, and shall remain until the pit is dry. After the reserve pit has dried, all areas not needed for production will be rehabilitated.
- g. No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completion of the well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completion of the well.
- h. Trash will be contained in a trash cage and hauled away to an approved disposal site as necessary but no later than at the completion of drilling operations. The contents of the trash container will be hauled off periodically to the approved Uintah County Landfill near Vernal, Utah.

- i. Produced fluids from the well other than water will be produced into a test tank until such time as construction of production facilities is completed. Any spills of oil, gas, salt water or other produced fluids will be cleaned up and removed.
- j. After initial clean-up, a 400 bbl tank will be installed to contain produced waste water. This water will be transported from the tank to an approved Dominion disposal well for disposal.
- k. Produced water from the production well will be disposed of at the RBU 13-11F or RBU 16-19F disposal wells in accordance with Onshore Order #7.
- l. Any salts and/or chemicals, which are an integral part of the drilling system, will be disposed of in the same manner as the drilling fluid.
- m. Sanitary facilities will be on site at all times during operations. Sewage will be placed in a portable chemical toilet and the toilet replaced periodically utilizing a licensed contractor to transport by truck the portable chemical toilet so that its contents can be delivered to the Vernal Wastewater Treatment Facility in accordance with state and county regulations.

8. Ancillary Facilities:

- a. Garbage Containers and Portable Toilets are the only ancillary facilities proposed in this application.

9. Well Site Layout: (See Exhibit B)

- a. The well will be properly identified in accordance with 43 CFR 3162.6.
- b. Access to the well pad will be from the northwest.
- c. The pad and road designs are consistent with BLM specification
- d. A pre-construction meeting with responsible company representative, contractors and the BLM will be conducted at the project site prior to commencement of surface-disturbing activities. The pad and road will be construction-staked prior to this meeting.
- e. The pad has been staked at its maximum size of 355' X 200'; however it will be constructed smaller if possible, depending upon rig availability. Should the layout change, this application will be amended and approved utilizing a sundry notice.
- f. All surface disturbing activities, will be supervised by a qualified, responsible company representative who is aware of the terms and conditions of the APD and specifications in the approved plans.
- g. All cut and fill slopes will be such that stability can be maintained for the life of the activity.
- h. Diversion ditches will be constructed as shown around the well site to prevent surface waters from entering the well site area.
- i. The site surface will be graded to drain away from the pit to avoid pit spillage during large storm events.
- j. The stockpiled topsoil (first 6 inches or maximum available) will be stored in a windrow on the uphill side of the location to prevent any possible contamination. All topsoil will be stockpiled for reclamation in such a way as to prevent soil loss and contamination.

- k. Pits will remain fenced until site cleanup.
- l. The blooie line will be located at least 100 feet from the well head.
- m. Water injection may be implemented if necessary to minimize the amount of fugitive dust.

10. Plans for Restoration of the Surface (Interim Reclamation and Final Reclamation):

- a. Site reclamation for a producing well will be accomplished for portions of the site not required for the continued operation of the well.
- b. Upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1. Once the reserve pit is dry, the plastic nylon reinforced liner shall be torn and perforated before backfilling of the reserve pit. The reserve pit and that portion of the location not needed for production facilities/operations will be re-contoured to the approximate natural contours.
- c. Following BLM published Best Management Practices the interim reclamation will be completed within 90 days of completion of the well to reestablish vegetation, reduce dust and erosion and compliment the visual resources of the area.
  - a. All equipment and debris will be removed from the area proposed for interim reclamation and the pit area will be backfilled and re-contoured.
  - b. The area outside of the rig anchors and other disturbed areas not needed for the operation of the well will be re-contoured to blend with the surrounding area and reseeded at 12 lbs /acre with the following native grass seeds:
    - 1. Crested Wheat Grass (4 lbs / acre)
    - 2. Needle and Thread Grass (4 lbs / acre)
    - 3. Rice Grass (4 lbs / acre)
  - c. Reclaimed areas receiving incidental disturbance during the life of the producing well will be re-contoured and reseeded as soon as practical.
- d. The Operator will control noxious weeds along access road use authorizations, pipeline route authorizations, well sites, or other applicable facilities by spraying or mechanical removal. A list of noxious weeds may be obtained from the BLM or the appropriate County Extension Office. On BLM administered land, it is required that a Pesticide Use Proposal be submitted and approved prior to the application of herbicides, pesticides or possibly hazardous chemicals.
- e. Prior to final abandonment of the site, all disturbed areas, including the access road, will be scarified and left with a rough surface. The site will then be seeded and/or planted as prescribed by the BLM. The BLM recommended seed mix will be detailed within their approval documents.

11. Surface and Mineral Ownership:

- a. Surface Ownership – Federal under the management of the Bureau of Land Management - Vernal Field Office, 170 South 500 East, Vernal, Utah 84078; 435-781-4400.
- b. Mineral Ownership – Federal under the management of the Bureau of Land Management - Vernal Field Office, 170 South 500 East, Vernal, Utah 84078; 435-781-4400.

12. Other Information:

- a. AIA Archaeological has conducted a Class III archeological survey. A copy of the report has been submitted under separate cover to the appropriate agencies by AIA Archaeological.
- b. Alden Hamblin has conducted a paleontological survey. A copy of the report has been submitted under separate cover to the appropriate agencies by Alden Hamblin.
- c. Our understanding of the results of the onsite inspection are:
  - a. No Threatened and Endangered flora and fauna species were found during the onsite inspection.
  - b. No drainage crossings that require additional State or Federal approval are being crossed.
  - c. A pipeline upgrade is proposed with this application.

13. Operator's Representative and Certification

Title	Name	Office Phone
Company Representative (Roosevelt)	Ken Secrest	1-435-722-4521
Company Representative (Oklahoma)	Carla Christian	1-405-749-5263
Agent for Dominion	Don Hamilton	1-435-637-4075

Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exists; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Dominion Exploration & Production, Inc. and its contractors and subcontractors in conformity with this APD package and the terms and conditions under which it is approved. I also certify responsibility for the operations conducted on that portion of the leased lands associated with this application, with bond coverage being provided under Dominion's BLM bond. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Signature: Don Hamilton Date: 8-31-06



# DOMINION EXPLR. & PROD., INC.

RBU #25-13E & #31-13E

SECTION 13, T10S, R19E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 9.1 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 2.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN RIGHT AND PROCEED IN A WESTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN RIGHT AND PROCEED IN A NORTHERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 2.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN RIGHT AND PROCEED IN A NORTHWESTERLY, THEN WESTERLY DIRECTION APPROXIMATELY 3.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY, THEN EASTERLY DIRECTION APPROXIMATELY 0.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN LEFT AND PROCEED IN A NORTHERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 400' TO THE EXISTING #10-13E AND THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 50.7 MILES.

*UINTAH ENGINEERING & LAND SURVEYING*  
85 So. 200 East \* Vernal, Utah 84078 \* (801) 789-1017

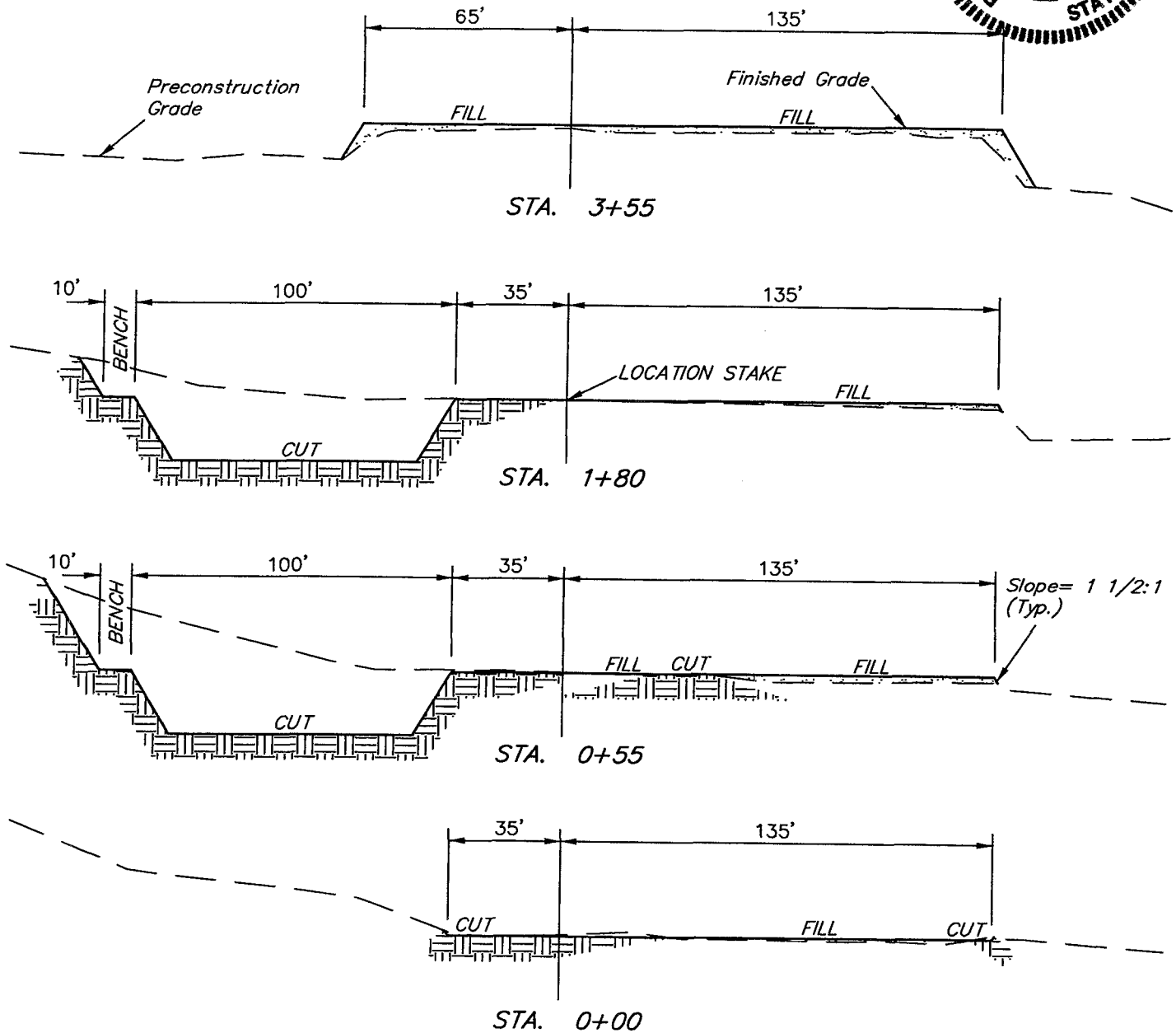
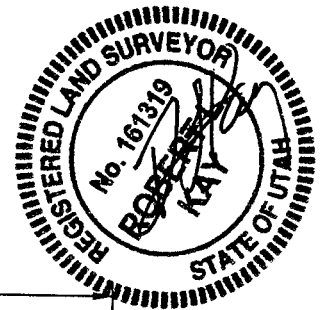
# DOMINION EXPLR. & PROD., INC.

## TYPICAL CROSS SECTIONS FOR

RBU #25-13E & #31-13E  
SECTION 13, T10S, R19E, S.L.B.&M.  
NW 1/4 SE 1/4

1" = 20'  
X-Section  
Scale  
1" = 50'

DATE: 07-10-06  
Drawn By: S.L.



### APPROXIMATE YARDAGES

#### CUT

(6") Topsoil Stripping = 310 Cu. Yds.

(NEW CONSTRUCTION ONLY)

Remaining Location = 5,940 Cu. Yds.

TOTAL CUT = 6,250 CU.YDS.

FILL = 1,370 CU.YDS.

#### \* NOTE:

FILL QUANTITY INCLUDES  
5% FOR COMPACTION

EXCESS MATERIAL = 4,880 Cu. Yds.

Topsoil & Pit Backfill = 2,070 Cu. Yds.  
(1/2 Pit Vol.)

EXCESS UNBALANCE = 2,810 Cu. Yds.  
(After Interim Rehabilitation)

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (801) 789-1017

# DOMINION EXPLR. & PROD., INC.

RBU #25-13E & #31-13E

LOCATED IN UINTAH COUNTY, UTAH

SECTION 13, T10S, R19E, S.L.B.&M.

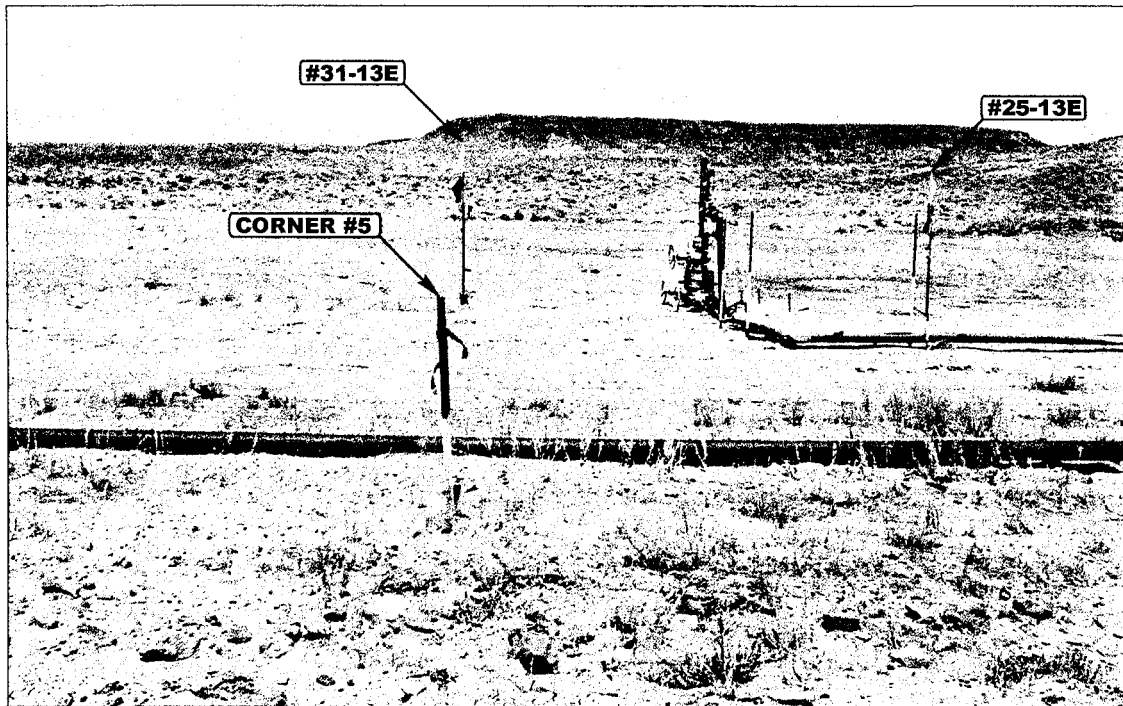


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHEASTERLY



PHOTO: VIEW OF EXISTING ACCESS

CAMERA ANGLE: SOUTHEASTERLY



- Since 1964 -

**E&L S** Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

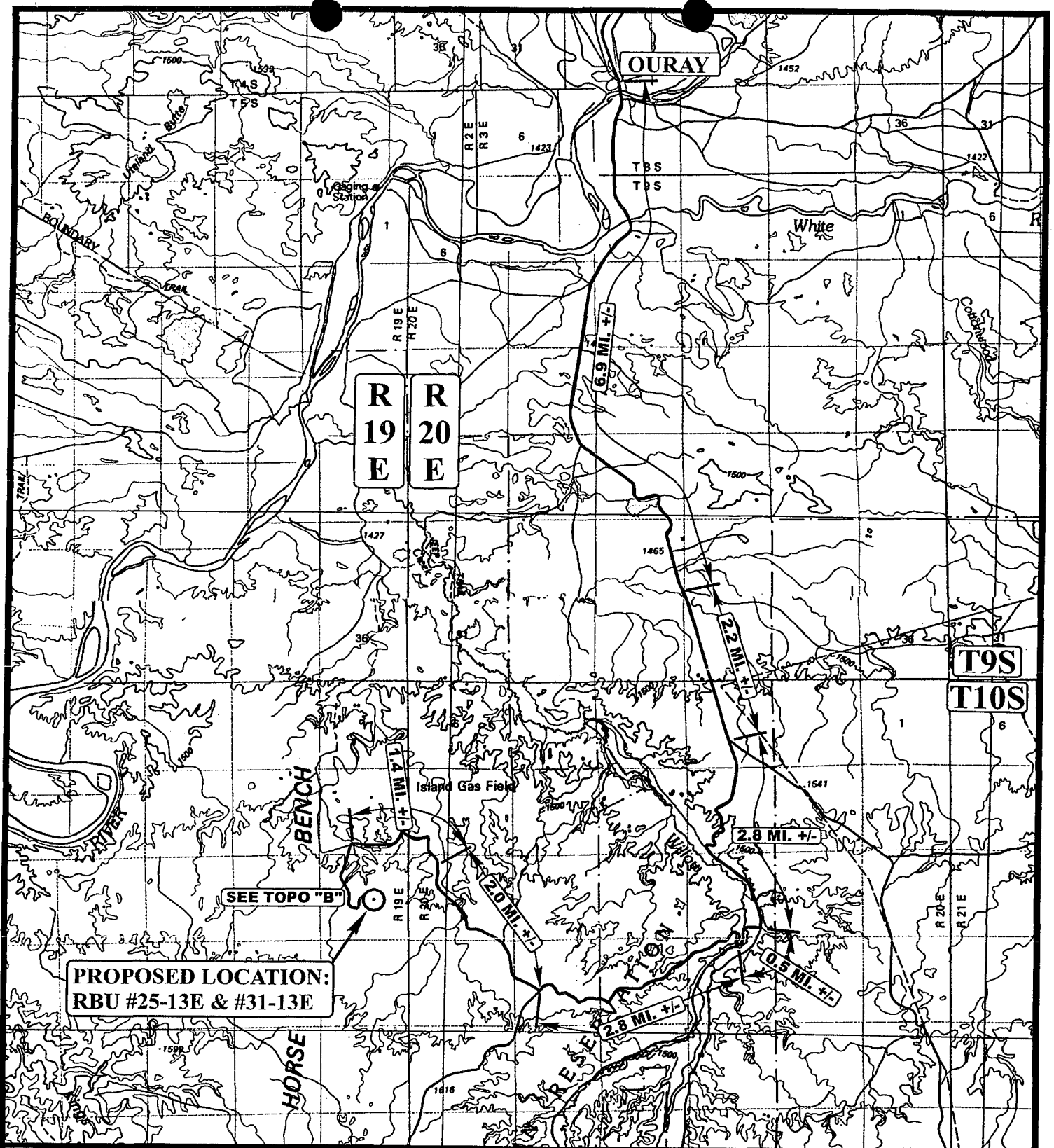
07 07 06  
MONTH DAY YEAR

PHOTO

TAKEN BY: B.B.

DRAWN BY: B.C.

REVISED: 00-00-00



# **LEGEND:**

○ PROPOSED LOCATION

**N**

**DOMINION EXPLR. & PROD., INC.**

**RBU #25-13E & #31-13E**

**SECTION 13, T10S, R19E, S.L.B.&M.**

**NW 1/4 SE 1/4**



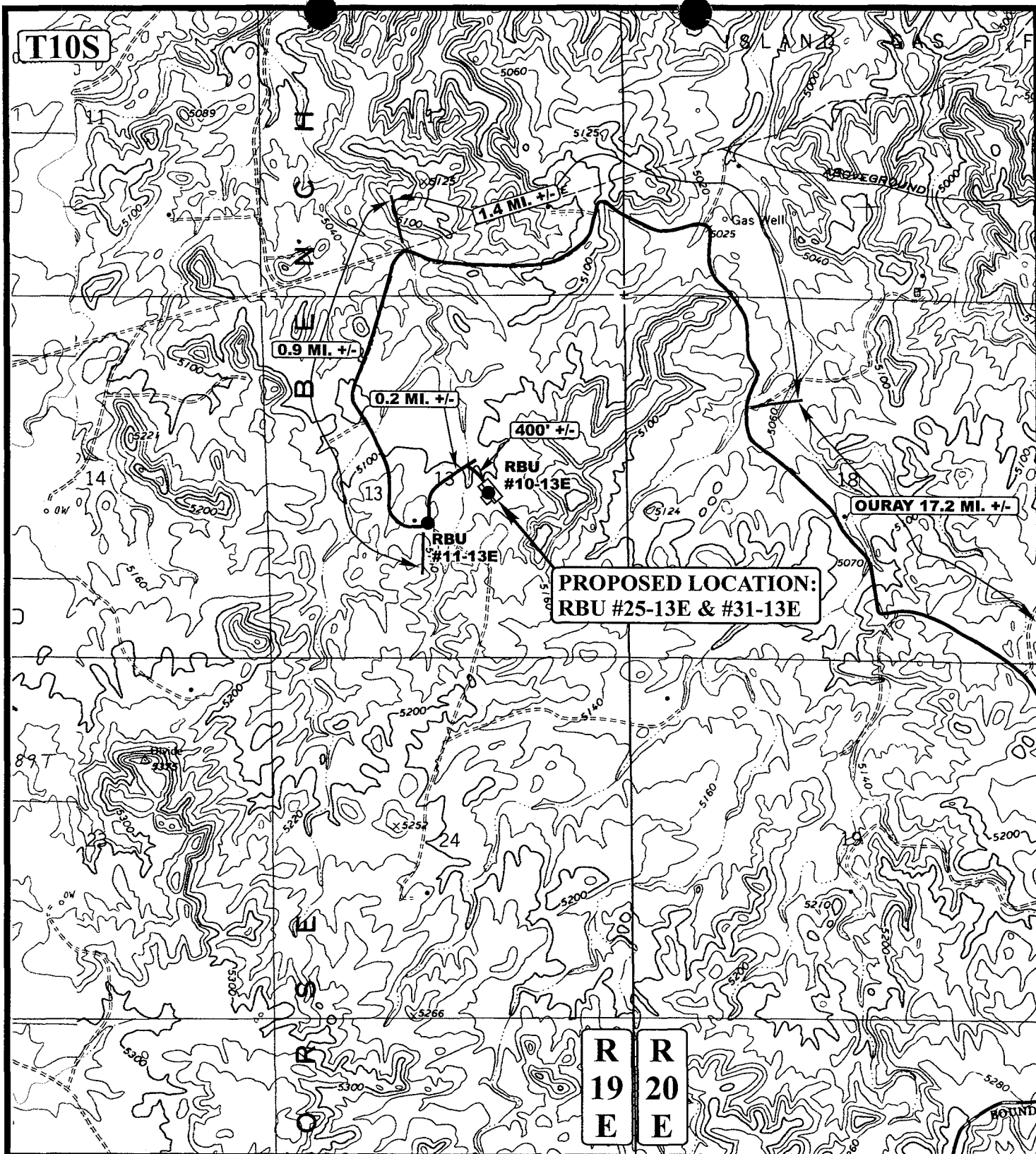
**Uintah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAG (435) 789-1813

**TOPOGRAPHIC  
MAP**

**07 07 06**  
MONTH DAY YEAR

**SCALE: 1:100,000** **DRAWN BY: B.C.** **REVISED: 00-00-00**





# **LEGEND:**

— EXISTING ROAD  
 - - - PROPOSED ACCESS ROAD

## **DOMINION EXPLR. & PROD., INC.**

**RBU #25-13E & #31-13E**  
**SECTION 13, T10S, R19E, S.L.B.&M.**  
**NW 1/4 SE 1/4**



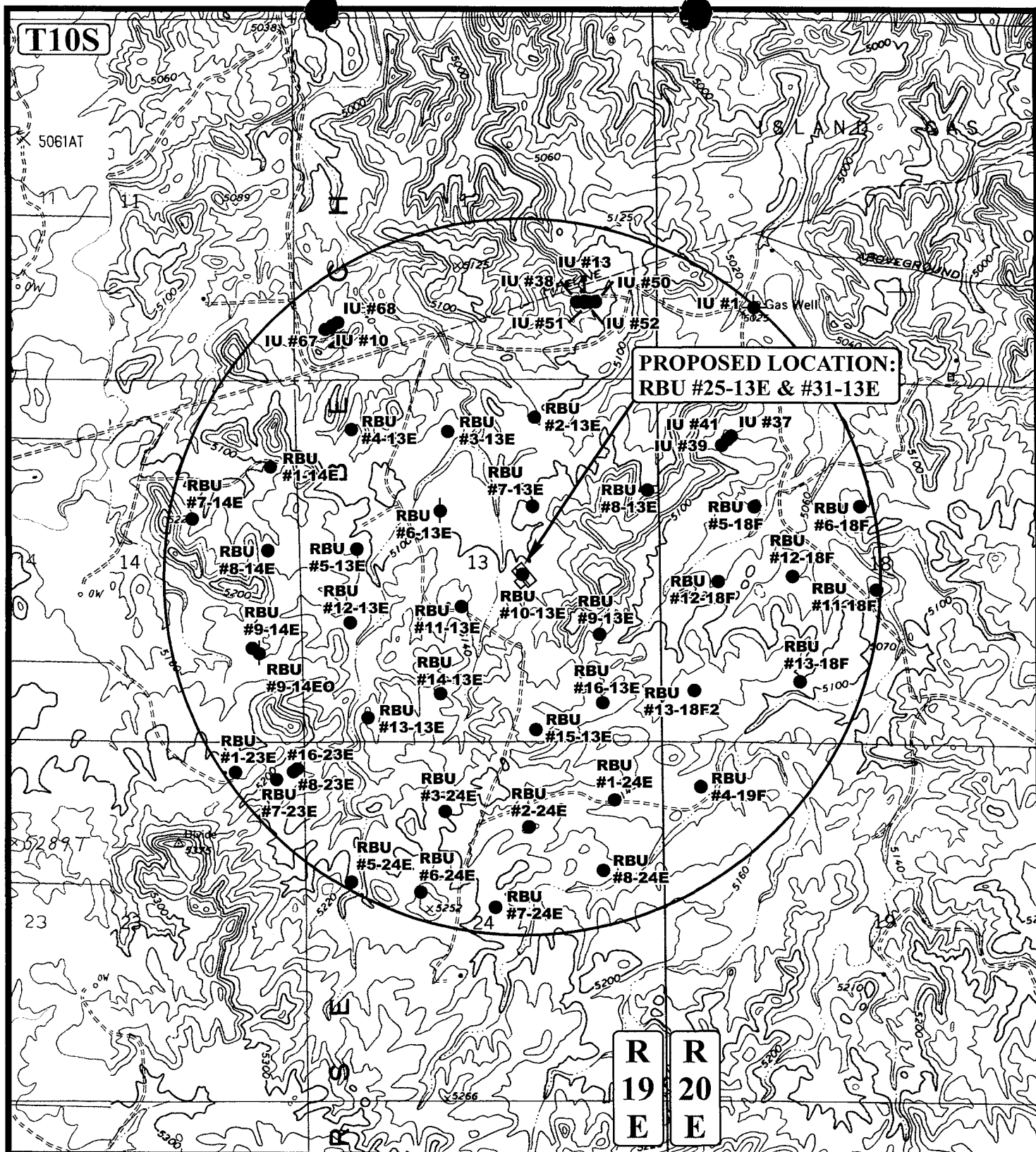
**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAG (435) 789-1813

**TOPOGRAPHIC**  
**MAP**

**07** **07** **06**  
**MONTH** **DAY** **YEAR**

**SCALE: 1" = 2000'** **DRAWN BY: B.C.** **REVISED: 00-00-00**

**B**  
**TOPO**



# **LEGEND:**

- ⊗ DISPOSAL WELLS
- PRODUCING WELLS
- ⬮ SHUT IN WELLS
- ⊗ WATER WELLS
- ⬮ ABANDONED WELLS
- ⬮ TEMPORARILY ABANDONED

## **DOMINION EXPLR. & PROD., INC.**

**RBU #25-13E & #31-13E**  
**SECTION 13, T10S, R19E, S.L.B.&M.**  
**NW 1/4 SE 1/4**



**Utah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

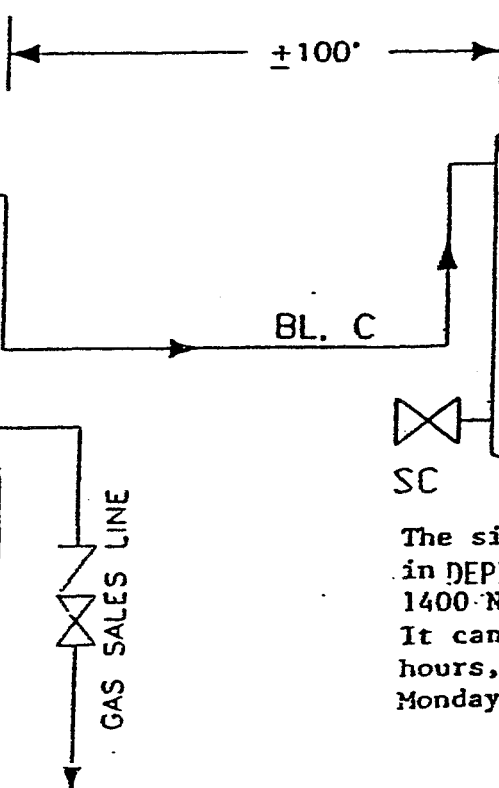
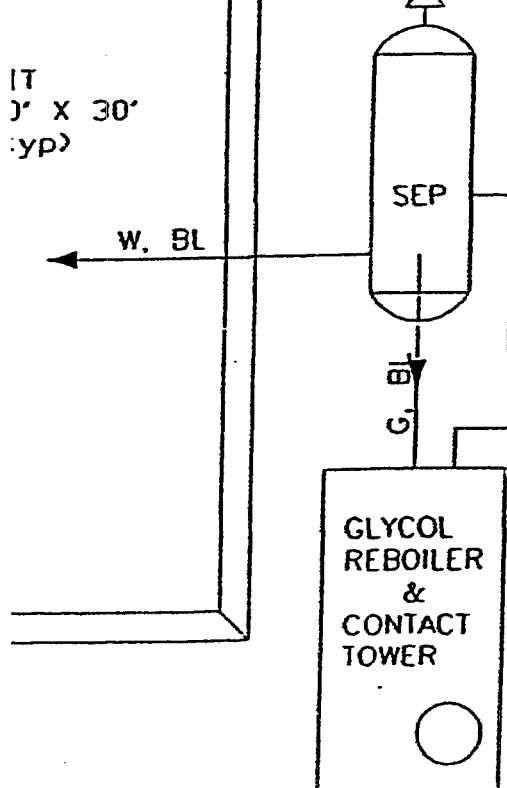
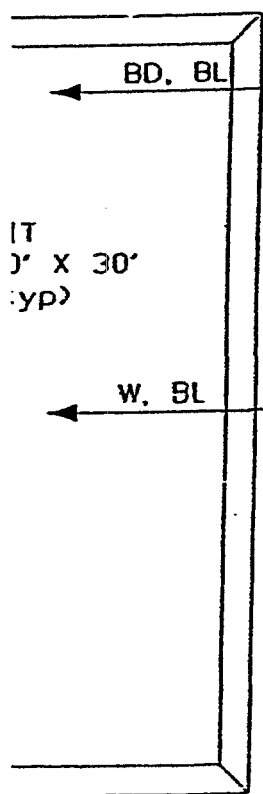
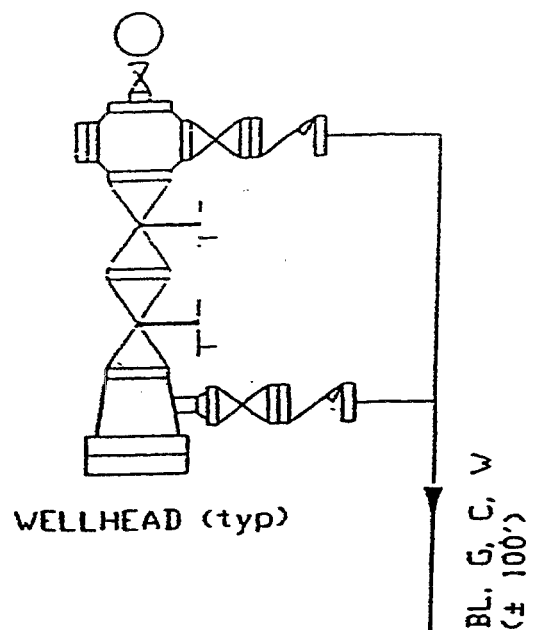
**TOPOGRAPHIC  
MAP**

**07 07 06**  
 MONTH DAY YEAR

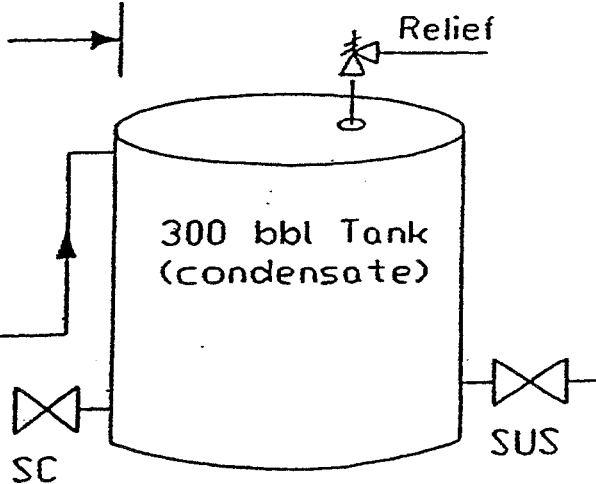
SCALE: 1" = 2000' DRAWN BY: B.C. REVISED: 00-00-00







LEGEND	
O	= Oil Line
G	= Gas Line
W	= Water Line
R	= Relief Line (Pressure)
C	= Condensate Line
V	= Vent Line
D	= Drain Line
M	= Gas Meter
P	= Pump
BP	= Back Pressure Valve
SWS	= Sealed When Shipping
SUS	= Sealed Unless Shipping
T	= Heat Traced Line
H	= Heater
BL	= Buried Line
⋈	= Valve
⋈	= Check Valve
SC	= Sealed Closed Valve
NC	= Normally Closed
BD	= Blowdown Line

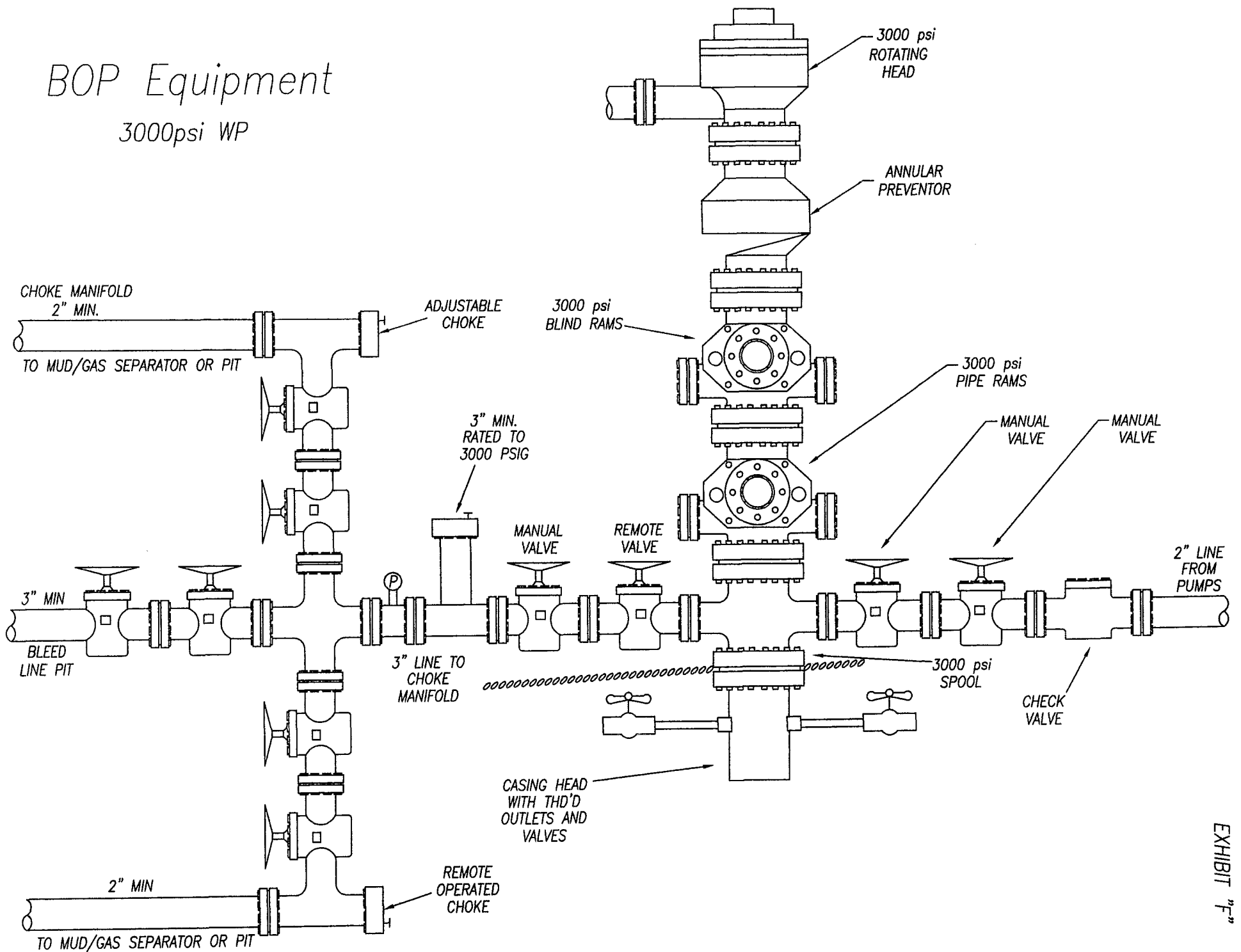


The site security plan is on file in DEPI's district office located at 1400 N. State St., Roosevelt, Utah. It can be inspected during office hours, from 6:30 AM thru 3:30 PM, Monday thru Friday..



# BOP Equipment

3000psi WP



**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 08/31/2006

API NO. ASSIGNED: 43-047-38547

WELL NAME: RBU 31-13E

OPERATOR: DOMINION EXPL & PROD ( N1095 )

CONTACT: DON HAMILTON

PHONE NUMBER: 405-749-5263

**PROPOSED LOCATION:**

NWSE 13 100S 190E

SURFACE: 2433 FSL 2036 FEL

BOTTOM: 1350 FSL 2400 FEL

COUNTY: UINTAH

LATITUDE: 39.94684 LONGITUDE: -109.7283

UTM SURF EASTINGS: 608640 NORTHINGS: 4422421

FIELD NAME: NATURAL BUTTES ( 630 )

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: U-013765

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: MVRD

COALBED METHANE WELL? NO

**RECEIVED AND/OR REVIEWED:**

☒ Plat  
☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. WY 3322 )  
☒ Potash (Y/N)  
☒ Oil Shale 190-5 (B) or 190-3 or 190-13  
☒ Water Permit  
(No. 43-10447 )  
☒ RDCC Review (Y/N)  
(Date: )  
☒ Fee Surf Agreement (Y/N)  
☒ Intent to Commingle (Y/N)

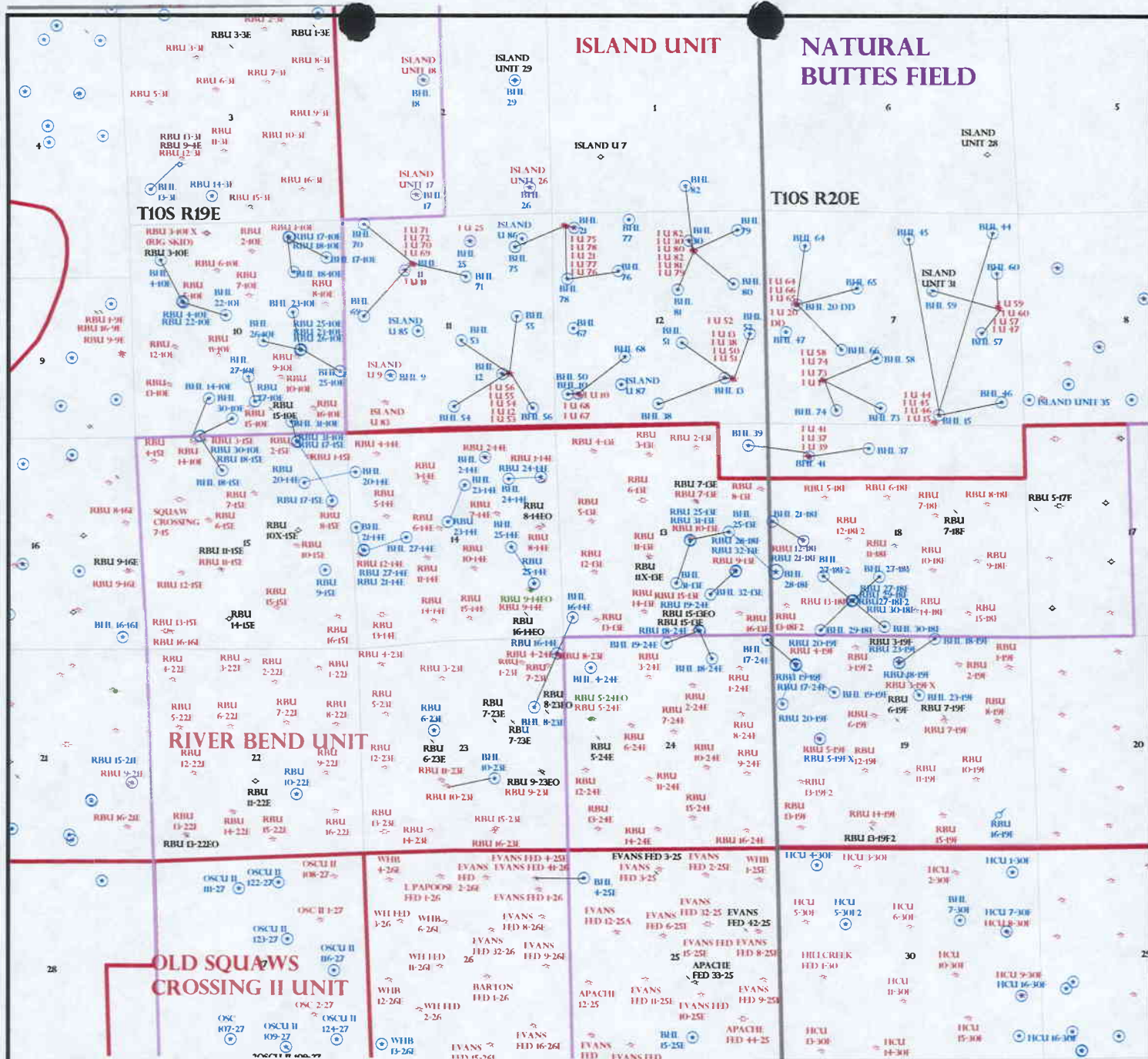
**LOCATION AND SITING:**

\_\_\_ R649-2-3.  
Unit: RIVER BEND  
\_\_\_ R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells  
\_\_\_ R649-3-3. Exception  
☒ Drilling Unit  
Board Cause No: 254-01  
Eff Date: 8-18-06  
Siting: Sits ends R649-3-11  
\_\_\_ R649-3-11. Directional Drill

COMMENTS:

STIPULATIONS:

*[Handwritten Signature]*



OPERATOR: DOMINION EXPL & PROD (N1095)

SEC: 10,13,14,15 T.10S R. 19E

FIELD: NATURAL BUTTES (630)

COUNTY: UTAH

SPACING: R649-3-11 / DIRECTIONAL DRILLING

**Field Status**

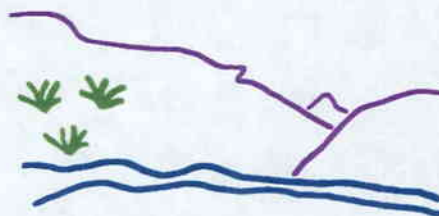
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

**Unit Status**

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

#### Wells Status

- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING



Utah Oil Gas and Mining



PREPARED BY: DIANA WHITNEY  
DATE: 31-AUGUST-2006

# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:  
3160  
(UT-922)

September 19, 2006

### Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2006 Plan of Development River Bend Unit Uintah County,  
Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2006 within the River Bend Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ MesaVerde)		
43-047-38582	RBU 17-10E Sec 10 T10S R19E 0477 FNL 1390 FEL BHL Sec 10 T10S R19E 1000 FNL 0465 FEL	
43-047-38584	RBU 27-10E Sec 10 T10S R19E 0723 FSL 2350 FEL BHL Sec 10 T10S R19E 1350 FSL 2500 FEL	
43-047-38585	RBU 26-10E Sec 10 T10S R19E 1995 FSL 1184 FEL BHL Sec 10 T10S R19E 2250 FSL 2100 FEL	
43-047-38586	RBU 25-10E Sec 10 T10S R19E 2013 FSL 1160 FEL BHL Sec 10 T10S R19E 1450 FSL 0200 FEL	
43-047-38587	RBU 23-10E Sec 10 T10S R19E 2007 FSL 1168 FEL BHL Sec 10 T10S R19E 2350 FNL 1350 FEL	
43-047-38588	RBU 22-10E Sec 10 T10S R19E 2064 FNL 1241 FWL BHL Sec 10 T10S R19E 2400 FNL 2300 FWL	
43-047-38543	RBU 28-18F Sec 13 T10S R19E 1640 FSL 0901 FEL BHL Sec 18 T20S R20E 1600 FSL 0100 FWL	
43-047-38544	RBU 18-24E Sec 13 T10S R19E 0143 FSL 1844 FEL	

BHL Sec 24 T10S R19E 0550 FNL 1550 FEL

Page 2

43-047-38545 RBU 19-24E Sec 13 T10S R19E 0159 FSL 1855 FEL  
BHL Sec 24 T10S R19E 0150 FNL 2550 FWL

43-047-38546 RBU 25-13E Sec 13 T10S R19E 2418 FSL 2023 FEL  
BHL Sec 13 T10S R19E 2700 FNL 1050 FEL

43-047-38547 RBU 31-13E Sec 13 T10S R19E 2433 FSL 2036 FEL  
BHL Sec 13 T10S R19E 1350 FSL 2400 FEL

43-047-38589 RBU 21-14E Sec 14 T10S R19E 2240 FSL 0210 FWL  
BHL Sec 14 T10S R19E 2500 FNL 0050 FWL

43-047-38590 RBU 27-14E Sec 14 T10S R19E 2230 FSL 0209 FWL  
BHL Sec 14 T10S R19E 2550 FSL 1300 FWL

43-047-38592 RBU 24-14E Sec 14 T10S R19E 1257 FNL 0432 FEL  
BHL Sec 14 T10S R19E 1300 FNL 1250 FEL

43-047-38593 RBU 23-14E Sec 14 T10S R19E 2375 FNL 2360 FWL  
BHL Sec 14 T10S R19E 1450 FNL 2350 FEL

43-047-38595 RBU 31-10E Sec 15 T10S R19E 0305 FNL 1324 FEL  
BHL Sec 10 T10S R19E 0200 FSL 1450 FEL

43-047-38596 RBU 17-15E Sec 15 T10S R19E 0320 FNL 1324 FEL  
BHL Sec 15 T10S R19E 1350 FNL 1200 FEL

43-047-38597 RBU 18-15E Sec 15 T10S R19E 0125 FNL 1570 FWL  
BHL Sec 15 T10S R19E 1000 FNL 2100 FWL

43-047-38598 RBU 20-14E Sec 15 T10S R19E 1821 FNL 0532 FEL  
BHL Sec 14 T10S R19E 1100 FNL 0100 FWL

43-047-38554 RBU 21-18F Sec 18 T10S R20E 2379 FSL 0834 FWL  
BHL Sec 18 T10S R20E 2450 FNL 0050 FWL

43-047-38555 RBU 27-18F Sec 18 T10S R20E 0902 FSL 2032 FWL  
BHL Sec 18 T10S R20E 1500 FSL 2700 FWL

43-047-38556 RBU 27-18F2 Sec 18 T10S R20E 0888 FSL 2005 FWL  
BHL Sec 18 T10S R20E 1500 FSL 1300 FWL

43-047-38557 RBU 30-18F Sec 18 T10S R20E 0897 FSL 2023 FWL  
BHL Sec 18 T10S R20E 0250 FSL 2800 FWL

43-047-38558 RBU 29-18F Sec 18 T10S R20E 0884 FSL 1996 FWL  
BHL Sec 18 T10S R20E 0150 FSL 1200 FWL

43-047-28549 RBU 17-24E Sec 19 T10S R20E 0703 FNL 0546 FWL  
BHL Sec 24 T10S R19E 0100 FNL 0150 FEL

43-047-38550 RBU 18-19F Sec 19 T10S R20E 0650 FNL 3147 FWL  
BHL Sec 19 T10S R20E 0050 FNL 2400 FEL

Page 3

43-047-38551 RBU 19-19F Sec 19 T10S R20E 0730 FNL 0558 FWL  
BHL Sec 19 T10S R20E 1400 FNL 1500 FWL

43-047-38552 RBU 20-19F Sec 19 T10S R20E 0721 FNL 0554 FWL  
BHL Sec 19 T10S R20E 1700 FNL 0200 FWL

43-047-38553 RBU 23-19F Sec 19 T10S R20E 0654 FNL 3156 FWL  
BHL Sec 19 T10S R20E 1450 FNL 2850 FEL

43-047-38548 RBU 32-13E Sec 13 T10S R19E 1624 FSL 0913 FEL  
BHL Sec 13 T10S R19E 1050 FSL 1550 FEL

43-047-38583 RBU 18-10E Sec 10 T10S R19E 0471 FNL 1409 FEL  
BHL Sec 10 T10S R19E 1350 FNL 1300 FEL

43-047-38591 RBU 25-14E Sec 14 T10S R19E 1380 FSL 0721 FEL  
BHL Sec 14 T10S R19E 2300 FSL 1250 FEL

43-047-38594 RBU 30-10E Sec 15 T10S R19E 0123 FNL 1590 FWL  
BHL Sec 10 T10S R19E 0300 FSL 2400 FWL

Our records indicate the RBU 25-10E is closer than 460 feet from the River Bend Unit boundary.

We have no objections to permitting the wells so long as the unit operator receives an exception to the locating and siting requirements of the State of Utah (R649-3-2).

/s/ Michael L. Coulthard

bcc: File – River Bend Unit  
Division of Oil Gas and Mining



**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

September 25, 2006

Dominion Exploration & Production, Inc.  
14000 Quail Springs Parkway, Suite 600  
Oklahoma City, OK 73134

Re: RBU 31-13E Well, Surface Location 2433' FSL, 2036' FEL, NW SE, Sec. 13, T. 10 South, R. 19 East, Bottom Location 1350' FSL, 2400' FEL, NW SE, Sec. 13, T. 10 South, R. 19 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-38547.

Sincerely,

*for* Gil Hunt  
Associate Director

pab  
Enclosures

cc: Uintah County Assessor  
Bureau of Land Management, Vernal District Office

Operator: Dominion Exploration & Production, Inc.  
Well Name & Number RBU 31-13E  
API Number: 43-047-38547  
Lease: U-013765

Surface Location: NW SE                      Sec. 13                      T. 10 South                      R. 19 East  
Bottom Location: NW SE                      Sec. 13                      T. 10 South                      R. 19 East

### Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires: November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an**  
**abandoned well. Use Form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well

☐ Oil Well

☒ Gas Well

☐ Other

**CONFIDENTIAL**

2. Name of Operator

Dominion Exploration & Production, Inc.

3a. Address Suite 600  
14000 Quail Springs Parkway, OKC, OK 73134

3b. Phone No. (include area code)  
(405) 749-1300

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2,433' FSL & 2,036' FEL, NW SE, Section 13-10S-19E  
1,350' FSL & 2,400' FEL, NW SE, Section 13-10S-19E

5. Lease Serial No.

U-013765

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

River Bend Unit

8. Well Name and No.

RBU 31-13E

9. API Well No.

43-047-38547

10. Field and Pool, or Exploratory Area

Natural Buttes

11. County or Parish, State

Uintah, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<b>Drilling Plan</b>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13 Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Please find attached a new drilling plan. Previous plan submitted with APD showed formation tops at TVD, the corrected plan shows measured depth.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Keri Pfeifer

Title Associate Regulatory Specialist

Signature

*Keri Pfeifer*

Date 11/06/2006

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**RECEIVED**

**NOV 16 2006**

**DIV. OF OIL, GAS & MINING**

## DRILLING PLAN

### APPROVAL OF OPERATIONS

#### Attachment for Permit to Drill

**Name of Operator:** Dominion Exploration & Production  
**Address:** 14000 Quail Springs Parkway, Suite 600  
Oklahoma City, OK 73134  
**Well Location:** RBU 31-13E  
SHL: 2433' FSL & 2036' FEL Section 13-10S-19E  
BHL: 1350' FSL & 2400' FEL Section 13-10S-19E  
Uintah County, UT

1. GEOLOGIC SURFACE FORMATION Uintah

2. ESTIMATED DEPTHS OF IMPORTANT GEOLOGIC MARKERS

<u>Formation</u>	<u>Depth</u>
Wasatch Tongue	4,453'
Uteland Limestone	4,813'
Wasatch	4,973'
Chapita Wells	5,883'
Uteland Buttes	7,133'
Mesaverde	8,023'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS

<u>Formation</u>	<u>Depth</u>	<u>Type</u>
Wasatch Tongue	4,453'	Oil
Uteland Limestone	4,813'	Oil
Wasatch	4,973'	Gas
Chapita Wells	5,883'	Gas
Uteland Buttes	7,133'	Gas
Mesaverde	8,023'	Gas

4. PROPOSED CASING PROGRAM

All casing used to drill this well will be new casing.

<u>Type</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Conn.</u>	<u>Top</u>	<u>Bottom</u>	<u>Hole</u>
Surface	13-3/8"	48.0 ppf	H-40	STC	0'	500'	17-1/2"
Intermediate	9-5/8"	36.0 ppf	J-55	STC	0'	3,948'	12-1/4"
Production	5-1/2"	17.0 ppf	MAV-80	LTC	0'	8,948'	7-7/8"

5. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL

Surface hole: No BOPE will be utilized.

Intermediate hole: To be drilled using a diverter stack with rotating head to divert flow from rig floor.

Production hole: Prior to drilling out the intermediate casing shoe, 3,000 psi or greater BOP equipment will be installed. The pipe rams will be operated at least once per day from surface to total depth. The blind rams will be tested once per day from surface to total depth if operations permit.

## DRILLING PLAN

### APPROVAL OF OPERATIONS

A diagram of the planned BOP equipment for normal drilling operations in this area is attached. As denoted there will be two valves and one check valve on the kill line, two valves on the choke line, and two adjustable chokes on the manifold system. The BOP "stack" will consist of two BOP rams (1 pipe, 1 blind) and one annular type preventer, all rated to a minimum of 3,000 psi working pressure.

The BOP equipment will be pressure tested prior to drilling out surface casing shoe and anytime a new casing string is set.. All test pressures will be maintained for fifteen (15) minutes without any significant pressure decrease. Clear water will be circulated into the BOP stack and lines prior to pressure testing. The following test pressures will be used as a minimum for various equipment items.

1.	Annular BOP	1,500 psi
2.	Ram type BOP	3,000 psi
3.	Kill line valves	3,000 psi
4.	Choke line valves and choke manifold valves	3,000 psi
5.	Chokes	3,000 psi
6.	Casing, casinghead & weld	1,500 psi
7.	Upper kelly cock and safety valve	3,000 psi
8.	Dart valve	3,000 psi

#### 6. MUD SYSTEMS

- An air or an air/mist system may be used to drill to drill the surface hole until water influx becomes too great.
- KCL mud system will be used to drill well.
- The mud system will be monitored manually/visually.

<u>Depths</u>	<u>Mud Weight (ppg)</u>	<u>Mud System</u>
0' – 500'	8.4	Air foam mist, no pressure control
500' – 3,948'	8.6	Fresh water, rotating head and diverter
3,948' – 8,948'	8.6	Fresh water/2% KCL/KCL mud system

#### 7. BLOOIE LINE

- An automatic igniter will not be installed on blooie line. The blooie will have a contant ignition source.
- A "target tee" connection will be installed on blooie line for 90° change of directions for abrasion resistance.
- "Target tee" connections will be a minimum of 50' from wellhead.
- The blooie line discharge will be a minimum of 80' from the wellhead.

#### 8. AUXILIARY EQUIPMENT TO BE USED

- a. Kelly cock.
- b. Full opening valve with drill pipe connection will be kept on floor. Valve will be used when the kelly is not in string.

#### 9. TESTING, LOGGING, AND CORING PROGRAMS TO BE FOLLOWED

- A drillstem test in the Wasatch Tongue is possible.
- One electric line wire-log will be run from total depth to intermediate casing.
- The gamma ray will be left on to record from total depth to intermediate casing.
- Other log curves (resistivities, porosity, and caliper) will record from total depth to intermediate casing.
- A dipmeter, percussion cores, or rotary cores may be run over selected intervals.

#### 10. ANTICIPATED ABNORMAL PRESSURES OR TEMPERATURES EXPECTED

- Expected BHP 1,500–2,000 psi (lower than normal pressure gradient).
- No abnormal temperature or pressures are anticipated.
- The formations to be penetrated do not contain known H2S gas.

#### 11. WATER SUPPLY

- No water pipelines will be laid for this well.
- No water well will be drilled for this well.
- Drilling water for this will be hauled on the road(s) shown in Attachment No. 3.
- Water will be hauled from: Water Permit # 43-10447 Section 9, Township 8 South, Range 20 East

## DRILLING PLAN

### APPROVAL OF OPERATIONS

#### 12. CEMENT SYSTEMS

##### a. Surface Cement:

- Drill 17-1/2" hole to 500' and cement 13-3/8" to surface with 450 sks class "C" cement with 2% CaCl<sub>2</sub> and 1/4 #/sk. Polyflake (volume includes 70% excess). Top out as necessary. Casing to be centralized with a total of 5 centralizers.

##### b. Intermediate Casing Cement:

- Drill 12-1/4" hole to 3,948'±, run and cement 9-5/8" to surface.
- Pump 20 bbls lightly weighted water spacer followed by 5 bbls fresh water. Displace with any available water.
- Casing to be run with: a) guide shoe b) insert float c) three (3) centralizers, one on each of first 3 joints d) stop ring for plug one joint off bottom e) bottom three joints thread locked f) pump job with bottom plug only. Casing to be centralized with a total of 15 centralizers.
- Cement to surface not required due to surface casing set deeper than normal.

Type	Sacks	Interval	Density	Yield	Hole Volume	Cement Volume
Lead	473	0'-3,448'	10.5 ppg	4.14 CFS	1118 CF	1,956 CF
Tail	254	3,448'-3,948'	15.6 ppg	1.2 CFS	174 CF	304 CF

Intermediate design volumes based on 75% excess of gauge hole.

Lead Mix: Halliburton Prem Plus V blend. Blend includes Class "C" cement, gel, salt, gilsonite, EX-1 and HR-7.  
Slurry yield: 4.14 cf/sack      Slurry weight: 10.5 #/gal.  
Water requirement: 26.07 gal/sack  
Compressives @ 110°F: 72 psi after 24 hours

Tail Mix: Class "G" Cement, 1/4 lb/sk Cellophane Flakes + 2% bwoc Calcium Chloride + 46.5% fresh water.  
Slurry yield: 1.20 cf/sack      Slurry weight: 15.6 #/gal.  
Pump Time: 1 hr. 5 min. @ 110 °F.  
Compressives @ 110 °F: 2,500 psi after 24 hours

##### c. Production Casing Cement:

- Drill 7-7/8" hole to 8,948'±, run and cement 5 1/2".
- Pump 20 bbl Mud Clean II unweighted spacer, followed by 20 Bbls fresh H2O spacer.
- Displace with 2% KCL.
- Production casing to be centralized with 30 centralizers.

Type	Sacks	Interval	Density	Yield	Hole Volume	Cement Volume
Lead	90	4,173'-4,973'	11.5 ppg	3.12 CFS	139 CF	277 CF
Tail	790	4,973'-8,948'	13.0 ppg	1.75 CFS	689 CF	1377 CF

Production design volumes based on 35% excess of gauge hole. Actual volumes will be calculated from caliper log to bring lead cement to 800' above top of Wasatch + 15% excess, and tail cement to top of Wasatch +15%.

Lead Mix: Halliburton Prem Plus V blend. Blend includes Class "C" cement, gel, salt, gilsonite, EX-1 and HR-7.  
Slurry yield: 3.12 cf/sack      Slurry weight: 11.60 #/gal.  
Water requirement: 17.71 gal/sack  
Compressives @ 130°F: 157 psi after 24 hours

Tail Mix: Halliburton HLC blend (Prem Plus V/JB flyash). Blend includes Class "G" cement, KCl, EX-1, Halad 322, & HR-5.  
Slurry yield: 1.75 cf/sack      Slurry weight: 13.00 #/gal.  
Water requirement: 9.09 gal/sack  
Compressives @ 165°F: 905 psi after 24 hours

#### 13. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS

Starting Date: February 1, 2007  
Duration: 14 Days

RECEIVED

FORM APPROVED  
OMB No. 1004-0137  
Expires March 31, 2007

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

AUG 30 2006

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. U -013765
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Dominion Exploration & Production, Inc.		7. If Unit or CA Agreement, Name and No. River Bend Unit
3a. Address 14000 Quail Springs Parkway, Suite 600 Oklahoma City, OK 73134		8. Lease Name and Well No. RBU 31-13E
3b. Phone No. (include area code) 405-749-5263		9. API Well No. 43-047-38547
4. Location of Well (Report location clearly and in accordance with any State requirements *) At surface 2,433' FSL & 2,036' FEL, NW/4 SE/4, At proposed prod. zone 1,350' FSL & 2,400' FEL, NW/4 SE/4,		10. Field and Pool, or Exploratory Natural Buttes
11. Sec., T. R. M. or Blk. and Survey or Area Section 13, T10S, R19E, SLB&M		12. County or Parish Uintah
13. State UT		14. Distance in miles and direction from nearest town or post office* 10.15 miles southwest of Ouray, Utah
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 2,036'	16. No. of acres in lease 1097.87 acres	17. Spacing Unit dedicated to this well 20 acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 10'	19. Proposed Depth 8,650' TVD (8,948' MD)	20. BLM/BIA Bond No. on file WY 3322
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5,106' GR	22. Approximate date work will start* 02/01/2007	23. Estimated duration 14 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the BLM.

25. Signature <u>Don Hamilton</u>	Name (Printed/Typed) Don Hamilton	Date 08/31/2006
Title Agent for Dominion		
Approved by (Signature) <u>[Signature]</u>	Name (Printed/Typed) JERRY KENCZKA	Date 2/24/2007
Title Assistant Field Manager Lands & Mineral Resources		
Office VERNAL FIELD OFFICE		

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on page 2)

NOTICE OF APPROVAL CONFIDENTIAL

RECEIVED

MAR 09 2007

DIV. OF OIL, GAS & MINING

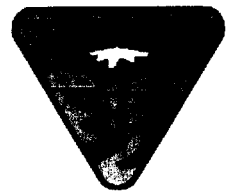
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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

170 South 500 East VERNAL, UT 84078 (435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

Company: Dominion Expl. & Prod., Inc.  
Well No: RBU 31-13E  
API No: 43-047-38547

Location: NWSE, Sec 13, T10S, R19E  
Lease No: UTU-013765  
Agreement: River Bend Unit

Petroleum Engineer:	Matt Baker	Office: 435-781-4490	Cell: 435-828-4470
Petroleum Engineer:	Michael Lee	Office: 435-781-4432	Cell: 435-828-7875
Petroleum Engineer:	Jim Ashley	Office: 435-781-4470	Cell: 435-828-7874
Petroleum Engineer:	Ryan Angus	Office: 435-781-4430	
Supervisory Petroleum Technician:	Jamie Sparger	Office: 435-781-4502	Cell: 435-828-3913
Environmental Scientist:	Paul Buhler	Office: 435-781-4475	Cell: 435-828-4029
Environmental Scientist:	Karl Wright	Office: 435-781-4484	
Natural Resource Specialist:	Holly Villa	Office: 435-781-4404	
Natural Resource Specialist:	Melissa Hawk	Office: 435-781-4476	
Natural Resource Specialist:	Chuck Macdonald	Office: 435-781-4441	
Natural Resource Specialist:	Darren Williams	Office: 435-781-4447	
Natural Resource Specialist:	Verlyn Pindell	Office: 435-781-3402	
After Hours Contact Number: 435-781-4513		Fax: 435-781-4410	

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a one-year period. An additional year extension may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

Location Construction (Notify Karl Wright)	- Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Karl Wright)	- Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Jamie Sparger)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Jamie Sparger)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

***SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)***

1. Within 90 calendar days of the approval date for this Application for Permit to Drill (APD), the operator/lessee will submit to the Authorized Officer (AO), on Sundry Notice Form 3160-5, an Interim Surface Reclamation Plan for surface disturbance on well pads, access roads, and pipelines. At a minimum, this will include the Best Management Practice of the reshaping of the pad to the original contour to the extent possible; the re-spreading of the top soil up to the rig anchor points; and, reseeding the area using appropriate reclamation methods.

The interim seed mix for reclamation will be:

Hy-crest Crested Wheatgrass	<i>Agropyron cristatum</i>	4 lbs per acre
Indian rice grass	<i>Orazopsis hymenoides</i>	4 lbs per acre
Needle and Threadgrass	<i>Stipa comata</i>	4 lbs per acre

2. If paleontologic materials are uncovered during construction, the operator shall immediately stop work that might further disturb such materials and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation will be necessary for the discovered paleontologic material.
3. Following well plugging and abandonment, the location, access roads, pipelines, and other facilities shall be reclaimed. All disturbed surfaces shall be reshaped to approximate the original contour; the top soil re-spread over the surface; and, the surface re-vegetated. The surface of approved staging areas where construction activities did not occur may require disking or ripping and reseeding.
4. Operator shall notify any active gilsonite mining operation within 2 miles of the location 48 hours prior to any blasting during construction for this well.

### ***DOWNHOLE CONDITIONS OF APPROVAL***

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

#### **SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL**

1. A Cement Bond Log (CBL) shall be run from the TD to the top of cement. A field copy of the CBL shall be submitted to the BLM Vernal Field Office for review.
2. The top of the production casing cement shall extend a minimum of 200 feet above the intermediate casing shoe.

#### **Variance granted:**

Eighty foot long blooie line approved.

#### **DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

1. There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well. Any changes in operation must have prior approval from the BLM, Vernal Field Office Petroleum Engineers.
2. The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
3. **Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.**
4. Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.

All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.

BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.

Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.

No aggressive/fresh hard-banded drill pipe shall be used within casing.

Cement baskets shall not be run on surface casing.



5. The lessee/operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled and analyzed (a copy of the analyses to be submitted to the BLM Field Office in Vernal, Utah).
6. All oil and gas shows shall be adequately tested for commercial possibilities, reported, and protected.
7. The lessee/operator must report encounters of all non oil & gas mineral resources (such as gilsonite, tar sands, oil shale, etc.) to the Vernal Field Office in writing within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
8. No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM, Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM, Vernal Field Office shall be obtained and notification given before resumption of operations.
9. Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

Any change in the program shall be approved by the BLM, Vernal Field Office. "Sundry Notices and Reports on Wells" (Form BLM 3160-5) shall be filed for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan pursuant to Onshore Oil & Gas Order No. 1 of 43 CFR 3164.1 and prior approval by the BLM, Vernal Field Office.

In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.

10. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including,

at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

**Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Wellogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**

11. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease shall have prior written approval from the BLM, Vernal Field Office.

All measurement points shall be identified as point of sales or allocation for royalty determination prior to the installation of facilities.

12. Oil and gas meters shall be calibrated in place prior to any deliveries. The Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM, Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement.
13. A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM, Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
14. This APD is approved subject to the requirement that, should the well be successfully completed for production, the BLM, Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - a. Operator name, address, and telephone number.
  - b. Well name and number.
  - c. Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - d. Date well was placed in a producing status (date of first production for which royalty will be paid).
  - e. The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).

- f. The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - g. Unit agreement and / or participating area name and number, if applicable.
  - h. Communitization agreement number, if applicable.
- 15. Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from Field Office Petroleum Engineers.
- 16. All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production
- 17. Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- 18. Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

RECEIVED

SEP 10 2007

FORM 9

DIV. OF OIL, GAS & MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: U-013765
2. NAME OF OPERATOR: XTO Energy		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: P.O. Box 1360 CITY Roosevelt STATE UT ZIP 84066		7. UNIT or CA AGREEMENT NAME: River Bend Unit
PHONE NUMBER: (435) 722-4521		8. WELL NAME and NUMBER: RBU 31-13E
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2,433' FSL & 2,036' FEL COUNTY: Uintah QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSE 13 10S 19E S STATE: UTAH		9. API NUMBER: 4304738547
		10. FIELD AND POOL, OR WILDCAT: Natural Buttes

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Permit Extension</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

XTO Energy. hereby requests a one year extension of the state permit for the referenced well.

This is the first extension that has been requested.

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 10-02-07

By: [Signature]

10-3-07  
RM

NAME (PLEASE PRINT) <u>Marnie Griffin</u>	TITLE <u>Agent for XTO Energy</u>
SIGNATURE <u>[Signature]</u>	DATE <u>9/7/2007</u>

(This space for State use only)

RECEIVED

SEP 10 2007

DIV. OF OIL, GAS & MINING

**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 4304738547  
**Well Name:** RBU 31-13E  
**Location:** 13-10S-19E 2,433' FSL & 2,036' FEL  
**Company Permit Issued to:** XTO Energy  
**Date Original Permit Issued:** 9/25/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☒

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

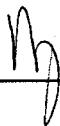
Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐

Signature



9/7/2007

Date

Title: Agent

Representing: XTO Energy

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. DJJ

2. CDW

**X - Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

**7/1/2007**

**FROM: (Old Operator):**

N1095-Dominion Exploration & Production, Inc  
 14000 Quail Springs Parkway, Suite 600  
 Oklahoma City, OK 73134

Phone: 1 (405) 749-1300

**TO: ( New Operator):**

N2615-XTO Energy Inc  
 810 Houston St  
 Fort Worth, TX 76102

Phone: 1 (817) 870-2800

**CA No.**

**Unit:**

**RIVER BEND**

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED LIST								

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 8/6/2007
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 8/6/2007
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 8/6/2007
- a. Is the new operator registered in the State of Utah: Business Number: 5655506-0143
- b. If **NO**, the operator was contacted on: \_\_\_\_\_
- a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
- b. Inspections of LA PA state/fee well sites complete on: n/a
- c. Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: \_\_\_\_\_
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: \_\_\_\_\_
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: \_\_\_\_\_

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 9/27/2007
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 9/27/2007
- Bond information entered in RBDMS on: 9/27/2007
- Fee/State wells attached to bond in RBDMS on: 9/27/2007
- Injection Projects to new operator in RBDMS on: 9/27/2007
- Receipt of Acceptance of Drilling Procedures for APD/New on: 9/27/2007

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: UTB000138
  - Indian well(s) covered by Bond Number: n/a
  - a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 104312762
  - b. The **FORMER** operator has requested a release of liability from their bond on: 1/23/2008
- The Division sent response by letter on: \_\_\_\_\_

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: \_\_\_\_\_

**COMMENTS:**

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER \_\_\_\_\_

2. NAME OF OPERATOR:

XTO Energy Inc.

N 2615

3. ADDRESS OF OPERATOR: 810 Houston Street

CITY Fort Worth

STATE TX ZIP 76102

PHONE NUMBER:

(817) 870-2800

4. LOCATION OF WELL

FOOTAGES AT SURFACE: SEE ATTACHED

COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE:

UTAH

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:

SEE ATTACHED

9. API NUMBER:

SEE ATTACHED

10. FIELD AND POOL, OR WILDCAT:

Natural Buttes

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective July 1, 2007, XTO Energy Inc. has purchased the wells listed on the attachment from:

Dominion Exploration & Production, Inc.  
14000 Quail Springs Parkway, Suite 600  
Oklahoma City, OK 73134

N 1095

James D. Abercrombie  
James D. Abercrombie  
Sr. Vice President, General Manager - Western Business Unit  
(405) 749-1300

Please be advised that XTO Energy Inc. is considered to be the operator on the attached list and is responsible under the terms and conditions of the lease for the operations conducted upon the lease lands. Bond coverage is provided by Nationwide BLM Bond #104312750 and Department of Natural Resources Bond #104312762.

NAME (PLEASE PRINT) Edwin S. Ryan, Jr.

TITLE Sr. Vice President - Land Administration

SIGNATURE

Edwin S. Ryan, Jr.

DATE 7/31/2007

(This space for State use only)

APPROVED 9/12/107  
Earlene Russell  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

(5/2000)

(See Instructions on Reverse Side)

RECEIVED

AUG 06 2007

DIV. OF OIL, GAS & MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**Request to Transfer Application or Permit to Drill**

(This form should accompany a Sundry Notice, Form 9, requesting APD transfer)

Well name:	SEE ATTACHED LIST
API number:	
Location:	Qtr-Qtr:                      Section:                      Township                      Range
Company that filed original application:	DOMINION E&P
Date original permit was issued:	
Company that permit was issued to:	DOMINION E&P

Check one	Desired Action:
<input type="checkbox"/>	Transfer pending (unapproved) Application for Permit to Drill to new operator
<input type="checkbox"/>	The undersigned as owner with legal rights to drill on the property, hereby verifies that the information as submitted in the pending Application for Permit to Drill, remains valid and does not require revision. The new owner of the application accepts and agrees to the information and procedures as stated in the application.
<input checked="" type="checkbox"/>	Transfer approved Application for Permit to Drill to new operator
<input type="checkbox"/>	The undersigned as owner with legal rights to drill on the property as permitted, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.	Yes	No
If located on private land, has the ownership changed?		<input checked="" type="checkbox"/>
If so, has the surface agreement been updated?		
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?		<input checked="" type="checkbox"/>
Have there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?		<input checked="" type="checkbox"/>
Have there been any changes to the access route including ownership or right-of-way, which could affect the proposed location?		<input checked="" type="checkbox"/>
Has the approved source of water for drilling changed?		<input checked="" type="checkbox"/>
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?		<input checked="" type="checkbox"/>
Is bonding still in place, which covers this proposed well? Bond No. <u>104312762</u>	<input checked="" type="checkbox"/>	

Any desired or necessary changes to either a pending or approved Application for Permit to Drill that is being transferred, should be filed on a Sundry Notice, Form 9, or amended Application for Permit to Drill, Form 3, as appropriate, with necessary supporting information as required.

Name (please print) HOLLY C. PERKINS Title REGULATORY COMPLIANCE TECH  
Signature *Holly C. Perkins* Date 08/27/2007  
Representing (company name) XTO ENERGY INC.

The person signing this form must have legal authority to represent the company or individual(s) to be listed as the new operator on the Application for Permit to Drill.

AUG 30 2007



N1095 DOMINION E and P, INC. to N2615 XTO ENERGY, INC.

RIVER BEND UNIT

api	well_name	qtr_qtr	sec	tpw	rng	lease_num	entity	Lease	well	stat
4304736202	RBU 2-20E	NWNE	20	100S	190E	U-03505		Federal	GW	APD
4304736203	RBU 15-20E	SWSE	20	100S	190E	U-03505		Federal	GW	APD
4304736204	RBU 10-20E	NWSE	20	100S	190E	U-03505		Federal	GW	APD
4304736205	RBU 14-21E	SESW	21	100S	190E	U-013766		Federal	GW	APD
4304736295	RBU 10-21E	NWSE	21	100S	190E	U-013766		Federal	GW	APD
4304736426	RBU 7-9E	NWSE	09	100S	190E	U-03505		Federal	GW	APD
4304736430	RBU 16-20E	SESE	20	100S	190E	U-03505		Federal	GW	APD
4304736431	RBU 13-21E	SESE	20	100S	190E	U-013766		Federal	GW	APD
4304736606	RBU 14-11F	SESW	11	100S	200E	U-7206		Federal	GW	APD
4304737032	RBU 1-4E	NENE	04	100S	190E	U-013792		Federal	GW	APD
4304737423	RBU 2-21F	SWSE	16	100S	200E	U-013793-A		Federal	OW	APD
4304737569	RBU 14-15F	SESW	15	100S	200E	U-7206		Federal	OW	APD
4304737648	RBU 6-4E	SWNE	04	100S	190E	U-013792		Federal	GW	APD
4304737649	RBU 12-17E	NWSW	17	100S	190E	U-03505		Federal	GW	APD
4304737650	RBU 13-17E	SWSW	17	100S	190E	U-03505		Federal	GW	APD
4304737651	RBU 6-23E	SESW	23	100S	190E	U-013766		Federal	GW	APD
4304737652	RBU 7-16F	SWNE	16	100S	200E	U-7206		Federal	GW	APD
4304737748	RBU 14-16F	SWSE	16	100S	200E	U-7206		Federal	GW	APD
4304738341	RBU 15-21E	SWSE	21	100S	190E	U 013766		Federal	GW	APD
4304738544	RBU 18-24E	SWSE	13	100S	190E	U 013794		Federal	GW	APD
4304738545	RBU 19-24E	SWSE	13	100S	190E	U 013794		Federal	GW	APD
4304738546	RBU 25-13E	NWSE	13	100S	190E	U-013765		Federal	GW	APD
4304738547	RBU 31-13E	NWSE	13	100S	190E	U-013765		Federal	GW	APD
4304738549	RBU 17-24E	NWNW	19	100S	200E	U-013794		Federal	GW	APD
4304738550	RBU 18-19F	NENW	19	100S	200E	U 013769-A		Federal	GW	APD
4304738551	RBU 19-19F	NWNW	19	100S	200E	U 013769-A		Federal	GW	APD
4304738552	RBU 20-19F	NWNW	19	100S	200E	U 013769-A		Federal	GW	APD
4304738553	RBU 23-19F	NENW	19	100S	200E	U013769-A		Federal	GW	APD
4304738554	RBU 21-18F	NWSW	18	100S	200E	U013769-A		Federal	GW	APD
4304738582	RBU 17-10E	NWNE	10	100S	190E	U-013792		Federal	GW	APD
4304738583	RBU 18-10E	NWNE	10	100S	190E	U-013792		Federal	GW	APD
4304738584	RBU 27-10E	SWSE	10	100S	190E	U-013792		Federal	GW	APD
4304738585	RBU 26-10E	NESE	10	100S	190E	U-013792		Federal	GW	APD
4304738586	RBU 25-10E	NESE	10	100S	190E	U-013792		Federal	GW	APD
4304738587	RBU 23-10E	NESE	10	100S	190E	U-013792		Federal	GW	APD
4304738588	RBU 22-10E	SWNW	10	100S	190E	U-035316		Federal	GW	APD
4304738589	RBU 21-14E	NWSW	14	100S	190E	U-013792		Federal	GW	APD
4304738590	RBU 27-14E	NWSW	14	100S	190E	U-013792		Federal	GW	APD
4304738591	RBU 25-14E	NESE	14	100S	190E	U-013792		Federal	GW	APD
4304738592	RBU 24-14E	NENE	14	100S	190E	U-013792		Federal	GW	APD
4304738593	RBU 23-14E	SESW	14	100S	190E	U-013792		Federal	GW	APD
4304738594	RBU 30-10E	NENW	15	100S	190E	U-013792		Federal	GW	APD
4304738597	RBU 18-15E	NENW	15	100S	190E	U-013766		Federal	GW	APD
4304738598	RBU 20-14E	SENE	15	100S	190E	U-013792		Federal	GW	APD



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155



IN REPLY REFER TO  
3180  
UT-922

Dominion Exploration & Production, Inc.  
Attn: James D. Abercrombie  
14000 Quail Springs Parkway, #600  
Oklahoma City, OK 73134-2600

August 10, 2007

Re: River Bend Unit  
Uintah County, Utah

Gentlemen:

On August 8, 2007, we received an indenture dated June 30, 2007, whereby Dominion Exploration & Production, Inc. resigned as Unit Operator and XTO Energy Inc. was designated as Successor Unit Operator for the River Bend Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective August 15, 2007. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the River Bend Unit Agreement.

Your statewide oil and gas bond No. UTB000138 will be used to cover all operations within the River Bend Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Greg J. Noble

Greg J. Noble  
Acting Chief, Branch of Fluid Minerals

Enclosure

RECEIVED  
AUG 16 2007  
DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: March 31, 2007

**SUNDRY NOTICES AND REPORTS ON WELLS**

**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No. **RECEIVED**  
**U -013765 VERNAL FIELD OFFICE**

6. If Indian, Allottee or Tribe Name  
N/A **2008 JAN -7 PM 1:12**

**SUBMIT IN TRIPLICATE- Other instructions on reverse side.**

1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator **XTO Energy, Inc.**

3a. Address  
**PO Box 1360; 978 North Crescent, Roosevelt, UT 84066**

3b. Phone No. (include area code)  
**435-722-4521**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**2,433' FSL & 2,036' FEL, NW/4 SE/4, Section 13, T10S, R19E, SLB&M**

7. If Unit or CA/Agreement, Name and/or No.  
**River Bend Unit**

8. Well Name and No.  
**RBW 31-13E**

9. API Well No.  
**4304738547**

10. Field and Pool, or Exploratory Area  
**Natural Buttes**

11. County or Parish, State  
**Uintah County, Utah**

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other <b>Permit Extension</b>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

**XTO Energy hereby requests a one year extension of the federal permit for the referenced well that expires on 2-26-08.**

**This is the first extension that has been requested. The federal permit was formerly in the name of Dominion Exploration & Production, Inc.**

**RECEIVED**

**JAN 18 2008**

**DIV. OF OIL, GAS & MINING**

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

**Don Hamilton**

Title **Agent for XTO Energy, Inc.**

Signature

**Don Hamilton**

Date

**12-31-07**

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

**[Signature]**

**Petroleum Engineer**

Title

Date **JAN 14 2008**

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**UDOGM**

**CONDITIONS OF APPROVAL ATTACHED**

# **CONDITIONS OF APPROVAL**

## **XTO Energy, Inc.**

### **Notice of Intent APD Extension**

**Lease:** UTU-013765  
**Well:** RBU 31-13E  
**Location:** NWSE Sec 13-T10S-R19E

An extension for the referenced APD is granted with the following conditions:

---

1. The extension and APD shall expire on 2/26/09.
2. No other extension shall be granted.

If you have any other questions concerning this matter, please contact Ryan Angus of this office at (435) 781-4430

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0137  
Expires July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**

*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
**XTO Energy Inc.**

3a. Address  
**382 CR 3100 Aztec, NM 87410**

3b. Phone No. (include area code)  
**505-333-3100**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**2433' FSL & 2036' FEL NWSE SEC 13-T10S-19E**  
**1350' FSL & 2400' FEL NWSE**

5. Lease Serial No.

**U-013765**

6. If Indian, Allottee or Tribe Name

**N/A**

7. If Unit or CA/Agreement, Name and/or No.  
**RIVER BEND UNIT**

8. Well Name and No.  
**REU #31-13E**

9. API Well No.  
**43-047-38547**

10. Field and Pool, or Exploratory Area  
**NATURAL BUTTES**

11. County or Parish, State  
**UTAH UT**

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- |  |   |  |   |
|--|---|--|---|
| <input type="checkbox"/> Acidize                 | <input type="checkbox"/> Deepen           | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Alter Casing            | <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Casing Repair           | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete                | <input type="checkbox"/> Other          |
| <input checked="" type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon       |   |
| <input type="checkbox"/> Convert to Injection    | <input type="checkbox"/> Plug Back        | <input type="checkbox"/> Water Disposal            |   |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

**XTO Energy Inc. proposes to make changes to the drilling plans per the attached procedure.**

**COPY SENT TO OPERATOR**

Date: **9.8.2008**  
Initials: **KS**

Accepted by the  
Utah Division of  
Oil, Gas and Mining

Date: **9/4/08**  
By: *[Signature]*

Federal Approval Of This  
Action Is Necessary

**RECEIVED**  
**AUG 14 2008**  
**DIV. OF OIL, GAS & MINING**

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

**LORRI D. BINGHAM**

Title **REGULATORY COMPLIANCE TECH**

Signature

Date **8/14/08**

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**DOGM COPY**

# XTO ENERGY INC.

RBU 31-13E

APD Data

August 13, 2008

Location: 2433' FSL & 2036' FEL, Sec. 13, T10S, R19E County: Uintah

State: Utah

Bottomhole Location: 1350' FSL & 2400' FEL, Sec. 13, T10S, R19E

GREATEST PROJECTED TD: 8832' MD/ 8650' TVD  
APPROX GR ELEV: 5106'

OBJECTIVE: Wasatch/Mesaverde  
Est KB ELEV: 5120' (14' AGL)

## 1. MUD PROGRAM:

INTERVAL	0' to 2288'	2288' to 8832'
HOLE SIZE	12.25"	7.875"
MUD TYPE	FW/Spud Mud	KCl Based LSND / Gel Chemical
WEIGHT	8.80 ppg	8.6-9.2 ppg
VISCOSITY	NC	30-60 sec-qt <sup>-1</sup>
WATER LOSS	NC	8-15 cc/30 min

Remarks: Use fibrous materials as needed to control seepage and lost circulation. Pump high viscosity sweeps as needed for hole cleaning. Raise viscosity at TD for logging. Reduce viscosity after logging for cementing purposes. The mud system will be monitored visually/manually.

## 2. CASING PROGRAM:

Surface Casing: 9.625" casing set at ±2288' MD/2200' TVD in a 12.25" hole filled with 8.8 ppg mud

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll	SF Burst	SF Ten
0'-2288'	2288'	36#	J-55	ST&C	2020	3520	394	8.921	8.765	2.57	4.47	4.78

Production Casing: 5.5" casing set at ±8832' MD/8650' TVD in a 7.875" hole filled with 9.20 ppg mud.

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll	SF Burst	SF Ten
0'-8832'	8832'	17#	N-80	LT&C	6280	7740	348	4.892	4.767	1.92	2.36	2.32

Collapse and burst loads calculated at TVD with 0.1 psi/ft gas gradient back up.

## 3. WELLHEAD:

- A. Casing Head: Larkin Fig 92 (or equivalent), 9" nominal, 2,000 psig WP (4,000 psig test) with 9-5/8" 8rnd thread on bottom (or slip-on, weld-on) and 11-3/4" 8rnd thread on top.
- B. Tubing Head: Larkin Fig 612 (or equivalent), 6.456" nominal, 5,000 psig WP, 5-1/2" 8rnd female thread on bottom (or slip-on, weld-on), 8-5/8" 8rnd thread on top.

## 4. CEMENT PROGRAM:

- A. Surface: 9.625", 36#, J-55 (or equiv.), ST&C casing to be set at ±2288' in 12.25" hole.

### LEAD:

±227 sx of Premium Plus V Blend. (Type V/Poz/Gel) or equivalent, with dispersant, fluid loss, accelerator, & LCM mixed at 11.0 ppg, 3.82 ft<sup>3</sup>/sk, 22.95 gal wtr/sx.

### TAIL:

350 sx Class G or equivalent cement with bonding additive, LCM, dispersant, & fluid loss mixed at 15.6 ppg, 1.2 cuft/sx

*Total estimated slurry volume for the 9.625" surface casing is 1288.1 ft<sup>3</sup>. Slurry includes 75% excess of calculated open hole annular volume to 2288'.*

B. Production: 5.5", 17#, N-80 (or equiv.), LT&C casing to be set at ±8832' in 7.875" hole.

LEAD:

±274 sx of Premium Plus V Blend. (Type V/Poz/Gel) or equivalent, with dispersant, fluid loss, accelerator, & LCM mixed at 11.6 ppg, 3.10 ft<sup>3</sup>/sk, 17.71 gal wtr/sx.

TAIL:

400 sx Class G or equivalent cement with poz, bonding additive, LCM, dispersant, & fluid loss mixed at 13.0 ppg, 1.49 cuft/sx, 9.09 gal/sx.

*Total estimated slurry volume for the 5.5" production casing is 1444.2 ft<sup>3</sup>. Slurry includes 15% excess of calculated open hole annular volume.*

*Note: The slurry design may change slightly based upon actual conditions. Final cement volumes will be determined from the caliper logs plus 15% or greater excess. The cement is designed to circulate on surface casing string. The production casing is designed for 1788' top of cement.*

5. LOGGING PROGRAM:

- A. Mud Logger: The mud logger will come on at intermediate casing point and will remain on the hole until TD. The mud will be logged in 10' intervals.
- B. Open Hole Logs as follows: Run Array Induction/SFL/GR/SP fr/TD (8832') to the bottom of the surface csg. Run Neutron/Lithodensity/Pe/GR/Cal from TD (8832') to 2288'. Run Gamma Ray to surface.

6. FORMATION TOPS:

Please see attached directional plan.

7. ANTICIPATED OIL, GAS, & WATER ZONES:

- A. No change.

8. BOP EQUIPMENT:

Surface will utilize a 500 psi or greater diverter.

Production hole will be drilled with a 3000 psi BOP stack.

Minimum specifications for pressure control equipment are as follows:

Ram Type: 11" Hydraulic double ram with annular, 3000 psi w.p.

Ram type preventers and associated equipment shall be tested to stack working pressure if isolated by test plug or to 70% of internal yield pressure of casing. Pressure shall be maintained for at least 10 minutes or until requirements of test are met, whichever is longer. If a test plug is utilized, no bleed-off pressure is acceptable. For a test not utilizing a test plug, if a decline in pressure of more than 10% in 30 minutes

occurs, the test shall be considered to have failed. Valve on casing head below test plug shall be open during test of BOP stack.

Annular type preventers (if used) shall be tested to 50% of rated working pressure. Pressure shall be maintained at least 10 minutes or until provisions of test are met, whichever is longer.

As a minimum, the above test shall be performed:

- a. when initially installed:
- b. whenever any seal subject to test pressure is broken
- c. following related repairs: and
- d. at 30 day intervals

Valves shall be tested from working pressure side during BOPE tests with all down stream valves open.

When testing the kill line valve(s) shall be held open or the ball removed.

Annular preventers (if used) shall be functionally operated at least weekly.

Pipe and blind rams shall be activated each trip, however, this function need not be performed more than once a day.

A BOPE pit level drill shall be conducted weekly for each drilling crew.

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No.2 for equipment and testing requirements, procedures, etc., and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests. Pressure tests shall apply to all related well control equipment.

BOP systems shall be consistent with API RP53. Pressure tests will be conducted before drilling out from under casing strings which have been set and cemented in place. Test pressures for BOP equipment are as follows:

- Annular BOP -- 1500 psi
- Ram type BOP -- 3000 psi
- Kill line valves -- 3000 psi
- Choke line valves and choke manifold valves -- 3000 psi
- Chokes -- 3000 psi
- Casing, casinghead & weld -- 1500 psi
- Upper kelly cock and safety valve -- 3000 psi
- Dart valve -- 3000 psi

Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection will be recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

The BLM in Vernal, UT shall be notified, at least 24 hours prior to initiating the pressure test, in order to have a BLM representative on location during pressure testing.

- a. The size and rating of the BOP stack is shown on the attached diagram.



b. A choke line and a kill line are to be properly installed.

c. The accumulator system shall have a pressure capacity to provide for repeated operation of hydraulic preventers.

d. Drill string safety valve(s), to fit all tools in the drill string, are to be maintained on the rig floor while drilling operations are in progress.

e. See attached BOP & Choke manifold diagrams.

9. COMPANY PERSONNEL:

<u>Name</u>	<u>Title</u>	<u>Office Phone</u>	<u>Home Phone</u>
John Egelston	Drilling Engineer	505-333-3163	505-330-6902
Bobby Jackson	Drilling Superintendent	505-333-3224	505-486-4706
Jeff Jackson	Project Geologist	817-885-2800	



# Well Name: RBU 31-13E

San Juan Division  
Drilling Department

Calculation Method: Minimum Curvature  
Geodetic Datum: North American Datum 1983  
Lat: 39° 56' 48.469 N  
Long: 109° 43' 44.260 W



Azimuths to True North  
Magnetic North: 11.51°

Magnetic Field  
Strength: 52574.0nT  
Dip Angle: 65.86°  
Date: 8/13/2008  
Model: IGRF200510

## SECTION DETAILS

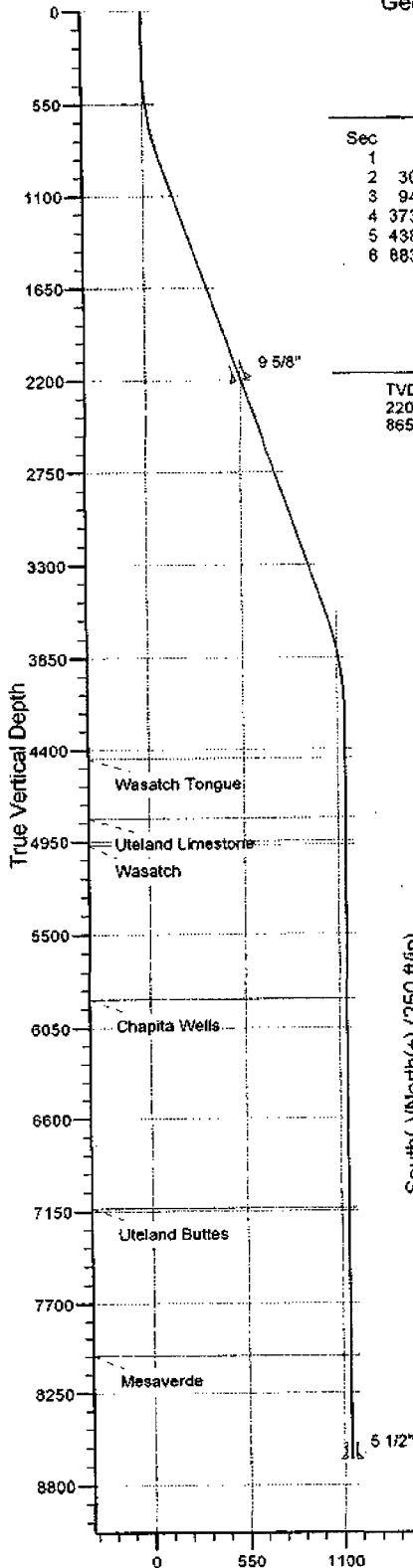
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.0	
3	945.4	19.36	198.14	933.2	-102.6	-33.6	3.00	198.14	108.0	
4	3736.9	19.36	198.14	3566.8	-982.1	-321.8	0.00	0.00	1033.5	
5	4382.3	0.00	0.00	4200.0	-1084.8	-355.4	3.00	180.00	1141.5	RBU 31-13E - Requested BHL
6	8832.3	0.00	0.00	8650.0	-1084.8	-355.4	0.00	0.00	1141.5	

## CASING DETAILS

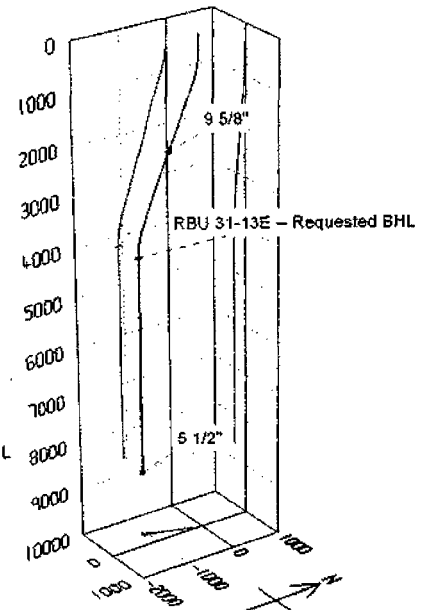
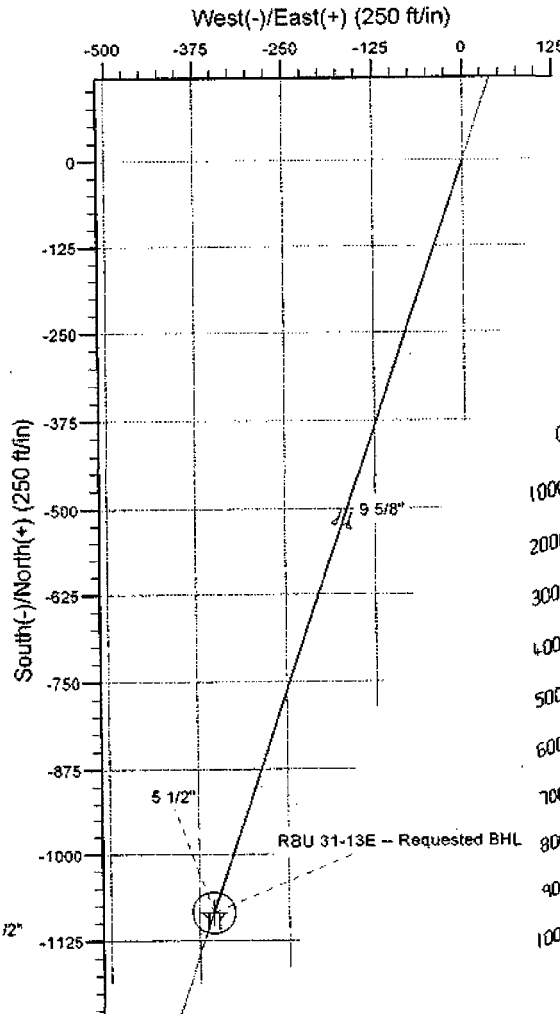
TVD	MD	Name	Size
2200.0	2288.2	9 5/8"	9-5/8
8650.0	8832.3	5 1/2"	5-1/2

## FORMATION TOP DETAILS

TVDPATH	MDPATH	Formation
4453.0	4635.3	Wasatch Tongue
4813.0	4995.3	Uteland Limestone
4973.0	5155.3	Wasatch
5983.0	6065.3	Chapita Wells
7133.0	7315.3	Uteland Buttes
8023.0	8205.3	Mesaverde



Vertical Section at 198.14°



# **XTO Energy**

**Natural Buttes Wells(NAD83)**

**RBU 25-13E**

**RBU 31-13E**

**RBU 31-13E**

**Plan: Sundry'd Wellbore**

## **Standard Planning Report**

**13 August, 2008**

# XTO Energy, Inc.

## Planning Report

Database: EDM 2003.14 Single User Db  
 Company: XTO Energy  
 Project: Natural Buttes Wells(NAD83)  
 Site: RBU 25-13E  
 Well: RBU 31-13E  
 Wellbore: RBU 31-13E  
 Design: Sundry'd Wellbore

Local Co-ordinate Reference:  
 TVD Reference:  
 MD Reference:  
 North Reference:  
 Survey Calculation Method:

Well RBU 31-13E  
 Rig KB @ 5120.0ft (Frontier #6)  
 Rig KB @ 5120.0ft (Frontier #6)  
 True  
 Minimum Curvature

Project: Natural Buttes Wells(NAD83), Vernal, UT

Map System: US State Plane 1983  
 Geo Datum: North American Datum 1983  
 Map Zone: Utah Northern Zone  
 System Datum: Mean Sea Level  
 Using Well Reference Point

Site: RBU 25-13E, T10S, R19E

Site Position: Northing: 3,145,060.84 ft Latitude: 39° 56' 48.463 N  
 From: Lat/Long Easting: 2,137,052.61 ft Longitude: 109° 43' 44.260 W  
 Position Uncertainty: 0.0 ft Slot Radius: Grid Convergence: 1.17 °

Well: RBU 31-13E, S-Well to Wasatch/Mesaverde

Well Position: +N/-S 0.0 ft Northing: 3,145,075.88 ft Latitude: 39° 56' 48.620 N  
 +E/-W 0.0 ft Easting: 2,137,039.68 ft Longitude: 109° 43' 44.422 W  
 Position Uncertainty: 0.0 ft Wellhead Elevation: 5,106.0 ft Ground Level: 5,106.0 ft

Wellbore: RBU 31-13E

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	8/13/2008	11.51	65.86	52,574

Design: Sundry'd Wellbore

Audit Notes:

Version: Phase: PROTOTYPE Tie On Depth: 0.0

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	198.14

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate ("/100ft)	Turn Rate (°/100ft)	TFO (")	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.00	0.00	
945.4	19.36	198.14	933.2	-102.6	-33.6	3.00	3.00	0.00	198.14	
3,736.9	19.36	198.14	3,566.8	-982.1	-321.8	0.00	0.00	0.00	0.00	
4,382.3	0.00	0.00	4,200.0	-1,084.8	-355.4	3.00	-3.00	0.00	180.00	RBU 31-13E -- Reque
8,832.3	0.00	0.00	8,650.0	-1,084.8	-355.4	0.00	0.00	0.00	0.00	

# XTO Energy, Inc.

## Planning Report

Database: EDM 2003.14 Single User Db  
Company: XTO Energy  
Project: Natural Buttes Wells(NAD83)  
Site: RBU 25-13E  
Well: RBU 31-13E  
Wellbore: RBU 31-13E  
Design: Sundry'd Wellbore

Local Co-ordinate Reference: Well RBU 31-13E  
TVD Reference: Rig KB @ 5120.0ft (Frontier #6)  
MD Reference: Rig KB @ 5120.0ft (Frontier #6)  
North Reference: True  
Survey Calculation Method: Minimum Curvature

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	3.00	198.14	400.0	-2.5	-0.8	2.6	3.00	3.00	0.00
500.0	6.00	198.14	499.6	-9.9	-3.3	10.5	3.00	3.00	0.00
600.0	9.00	198.14	598.8	-22.3	-7.3	23.5	3.00	3.00	0.00
700.0	12.00	198.14	697.1	-39.7	-13.0	41.7	3.00	3.00	0.00
800.0	15.00	198.14	794.3	-61.8	-20.3	65.1	3.00	3.00	0.00
900.0	18.00	198.14	890.2	-88.8	-29.1	93.5	3.00	3.00	0.00
945.4	19.36	198.14	933.2	-102.6	-33.6	108.0	3.00	3.00	0.00
1,000.0	19.36	198.14	984.7	-119.9	-38.3	126.1	0.00	0.00	0.00
1,100.0	19.36	198.14	1,079.0	-151.4	-49.6	159.3	0.00	0.00	0.00
1,200.0	19.36	198.14	1,173.4	-182.9	-59.9	192.4	0.00	0.00	0.00
1,300.0	19.36	198.14	1,267.7	-214.4	-70.2	225.6	0.00	0.00	0.00
1,400.0	19.36	198.14	1,362.1	-245.9	-80.6	258.7	0.00	0.00	0.00
1,500.0	19.36	198.14	1,456.4	-277.4	-90.9	291.9	0.00	0.00	0.00
1,600.0	19.36	198.14	1,550.8	-308.9	-101.2	325.0	0.00	0.00	0.00
1,700.0	19.36	198.14	1,645.1	-340.4	-111.5	358.2	0.00	0.00	0.00
1,800.0	19.36	198.14	1,739.5	-371.9	-121.8	391.3	0.00	0.00	0.00
1,900.0	19.36	198.14	1,833.8	-403.4	-132.2	424.5	0.00	0.00	0.00
2,000.0	19.36	198.14	1,928.1	-434.9	-142.5	457.7	0.00	0.00	0.00
2,100.0	19.36	198.14	2,022.5	-466.4	-152.8	490.8	0.00	0.00	0.00
2,200.0	19.36	198.14	2,116.8	-497.9	-163.1	524.0	0.00	0.00	0.00
2,288.2	19.36	198.14	2,200.0	-525.7	-172.2	553.2	0.00	0.00	0.00
9 5/8"									
2,300.0	19.36	198.14	2,211.2	-529.4	-173.5	557.1	0.00	0.00	0.00
2,400.0	19.36	198.14	2,305.5	-560.9	-183.8	590.3	0.00	0.00	0.00
2,500.0	19.36	198.14	2,399.9	-592.4	-194.1	623.4	0.00	0.00	0.00
2,600.0	19.36	198.14	2,494.2	-623.9	-204.4	656.6	0.00	0.00	0.00
2,700.0	19.36	198.14	2,588.6	-655.4	-214.7	689.7	0.00	0.00	0.00
2,800.0	19.36	198.14	2,682.9	-687.0	-225.1	722.9	0.00	0.00	0.00
2,900.0	19.36	198.14	2,777.2	-718.5	-235.4	756.0	0.00	0.00	0.00
3,000.0	19.36	198.14	2,871.6	-750.0	-245.7	789.2	0.00	0.00	0.00
3,100.0	19.36	198.14	2,965.9	-781.5	-256.0	822.3	0.00	0.00	0.00
3,200.0	19.36	198.14	3,060.3	-813.0	-266.4	855.5	0.00	0.00	0.00
3,300.0	19.36	198.14	3,154.6	-844.5	-276.7	888.7	0.00	0.00	0.00
3,400.0	19.36	198.14	3,249.0	-876.0	-287.0	921.8	0.00	0.00	0.00
3,500.0	19.36	198.14	3,343.3	-907.5	-297.3	955.0	0.00	0.00	0.00
3,600.0	19.36	198.14	3,437.6	-939.0	-307.6	988.1	0.00	0.00	0.00
3,700.0	19.36	198.14	3,532.0	-970.5	-318.0	1,021.3	0.00	0.00	0.00
3,736.9	19.36	198.14	3,566.8	-982.1	-321.8	1,033.5	0.00	0.00	0.00
3,800.0	17.47	198.14	3,626.7	-1,001.1	-328.0	1,053.4	3.00	-3.00	0.00
3,900.0	14.47	198.14	3,722.8	-1,027.2	-336.5	1,080.9	3.00	-3.00	0.00
4,000.0	11.47	198.14	3,820.2	-1,046.5	-343.5	1,103.4	3.00	-3.00	0.00
4,100.0	8.47	198.14	3,918.7	-1,065.0	-348.9	1,120.7	3.00	-3.00	0.00
4,200.0	5.47	198.14	4,018.0	-1,076.5	-352.7	1,132.8	3.00	-3.00	0.00
4,300.0	2.47	198.14	4,117.7	-1,083.1	-354.8	1,139.7	3.00	-3.00	0.00
4,382.3	0.00	0.00	4,200.0	-1,084.8	-355.4	1,141.5	3.00	-3.00	0.00
RBU 31-13E -- Requested BHL									
4,400.0	0.00	0.00	4,217.7	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00
4,500.0	0.00	0.00	4,317.7	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00
4,600.0	0.00	0.00	4,417.7	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00

# XTO Energy, Inc.

## Planning Report

Database: EDM 2003.14 Single User Db  
 Company: XTO Energy  
 Project: Natural Buttes Wells(NAD83)  
 Site: RBU 25-13E  
 Well: RBU 31-13E  
 Wellbore: RBU 31-13E  
 Design: Sundry'd Wellbore

Local Co-ordinate Reference: Well RBU 31-13E  
 TVD Reference: Rig KB @ 5120.0ft (Frontier #5)  
 MD Reference: Rig KB @ 5120.0ft (Frontier #5)  
 North Reference: True  
 Survey Calculation Method: Minimum Curvature

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	ΔN/S (ft)	ΔE/W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,635.3	0.00	0.00	4,453.0	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00
<b>Wasatch Tongue</b>									
4,700.0	0.00	0.00	4,517.7	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00
4,800.0	0.00	0.00	4,617.7	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00
4,900.0	0.00	0.00	4,717.7	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00
4,995.3	0.00	0.00	4,813.0	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00
<b>Uteland Limestone</b>									
5,000.0	0.00	0.00	4,817.7	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00
5,100.0	0.00	0.00	4,917.7	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00
5,155.3	0.00	0.00	4,973.0	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00
<b>Wasatch</b>									
5,200.0	0.00	0.00	5,017.7	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00
5,300.0	0.00	0.00	5,117.7	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00
5,400.0	0.00	0.00	5,217.7	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00
5,500.0	0.00	0.00	5,317.7	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00
5,600.0	0.00	0.00	5,417.7	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00
5,700.0	0.00	0.00	5,517.7	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00
5,800.0	0.00	0.00	5,617.7	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00
5,900.0	0.00	0.00	5,717.7	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00
6,000.0	0.00	0.00	5,817.7	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00
6,065.3	0.00	0.00	5,863.0	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00
<b>Chapita Wells</b>									
6,100.0	0.00	0.00	5,917.7	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00
6,200.0	0.00	0.00	6,017.7	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00
6,300.0	0.00	0.00	6,117.7	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00
6,400.0	0.00	0.00	6,217.7	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00
6,500.0	0.00	0.00	6,317.7	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00
6,600.0	0.00	0.00	6,417.7	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00
6,700.0	0.00	0.00	6,517.7	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00
6,800.0	0.00	0.00	6,617.7	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00
6,900.0	0.00	0.00	6,717.7	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00
7,000.0	0.00	0.00	6,817.7	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00
7,100.0	0.00	0.00	6,917.7	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00
7,200.0	0.00	0.00	7,017.7	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00
7,300.0	0.00	0.00	7,117.7	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00
7,315.3	0.00	0.00	7,133.0	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00
<b>Uteland Buttes</b>									
7,400.0	0.00	0.00	7,217.7	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00
7,500.0	0.00	0.00	7,317.7	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00
7,600.0	0.00	0.00	7,417.7	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00
7,700.0	0.00	0.00	7,517.7	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00
7,800.0	0.00	0.00	7,617.7	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00
7,900.0	0.00	0.00	7,717.7	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00
8,000.0	0.00	0.00	7,817.7	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00
8,100.0	0.00	0.00	7,917.7	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00
8,200.0	0.00	0.00	8,017.7	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00
8,205.3	0.00	0.00	8,023.0	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00
<b>Mesaverde</b>									
8,300.0	0.00	0.00	8,117.7	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00
8,400.0	0.00	0.00	8,217.7	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00
8,500.0	0.00	0.00	8,317.7	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00
8,600.0	0.00	0.00	8,417.7	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00
8,700.0	0.00	0.00	8,517.7	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00

# XTO Energy, Inc.

## Planning Report

Database: EDM 2003.14 Single User Db  
 Company: XTO Energy  
 Project: Natural Buttes Wells(NAD83)  
 Site: RBU 25-13E  
 Well: RBU 31-13E  
 Wellbore: RBU 31-13E  
 Design: Sundry'd Wellbore

Local Co-ordinate Reference:  
 TVD Reference:  
 MD Reference:  
 North Reference:  
 Survey Calculation Method:

Well RBU 31-13E  
 Rig KB @ 5120.0ft (Frontier #6)  
 Rig KB @ 5120.0ft (Frontier #6)  
 True  
 Minimum Curvature

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Built Rate (°/100ft)	Turn Rate (°/100ft)
8,800.0	0.00	0.00	8,617.7	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00
8,832.3	0.00	0.00	8,650.0	-1,084.8	-355.4	1,141.5	0.00	0.00	0.00
5 1/2"									

### Targets

Target Name	Dip Angle (°)	Dip Dir (°)	TVD (ft)	+N-S (ft)	+E-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
RBUS13E target - plan hits target - Circle (radius 30.0)	0.00	0.00	4,200.0	-1,084.8	-355.4	3,143,984.08	2,136,706.46	39° 56' 37.902 N	109° 43' 48.984 W

### Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Shoe Diameter (")
2,288.2	2,200.0	9 5/8"	9-5/8	12-1/4
8,832.3	8,650.0	5 1/2"	5-1/2	7-7/8

### Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
4,835.3	4,453.0	Wasatch Tongue		0.00	
4,995.3	4,813.0	Uteland Limestone		0.00	
5,155.3	4,973.0	Wasatch		0.00	
6,065.3	5,883.0	Chapita Wells		0.00	
7,315.3	7,133.0	Uteland Buttes		0.00	
8,205.3	8,023.0	Mesaverde		0.00	

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: XTO ENERGY INC. Operator Account Number: N 2615  
Address: 382 CR 3100  
city AZTEC  
state NM zip 87410 Phone Number: (505) 333-3100

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304738547	RBU 31-13E		NWSE	13	10S	19E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
A	99999	7050	9/26/2008			9/30/08	
Comments: <u>MVRD = WSMVB BHL = NWSE</u>							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
Comments:							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
Comments:							

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

WANETT MCCAULEY

Name (Please Print)

*Wanett McCauley*

Signature

FILE CLERK

Title

9/29/2008

Date

RECEIVED

SEP 29 2008

DIV. OF OIL, GAS & MINING



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

DOGM COPY

FORM APPROVED  
OMB NO. 1004-0137  
Expires July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

**XTO Energy Inc.**

3a. Address

**382 CR 3100 Aztec, NM 87410**

3b. Phone No. (include area code)

**505-333-3100**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**SHL: 2433' FSL & 2036' FEL NWSE SEC 13, T10S, R19E SLB&M**

**BHL: 1350' FSL & 2400' FEL NWSE SEC 13, T10S, R19E SLB&M**

5. Lease Serial No.

**U-013765**

6. If Indian, Allottee or Tribe Name

**N/A**

7. If Unit or CA/Agreement, Name and/or No.

**RIVERBEND UNIT**

8. Well Name and No.

**RBU 31-13E**

9. API Well No.

**43-047-38547**

10. Field and Pool, or Exploratory Area

**NATURAL BUTTES**

11. County or Parish, State

**UINTAH**

**UT**

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <b>SPUD</b>
<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

**XTO Energy, Inc. spudded 20" conductor hole 9/26/2008 & drilled to 40'.**

**Drilling ahead. . . .**

**RECEIVED**

**OCT 06 2008**

**DIV. OF OIL, GAS & MINING**

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

**WANETT MCCAULEY**

Title **FILE CLERK**

Signature

*Wanett McCauley*

Date **9/30/2008**

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

DOGM COPY

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: U-013765
2. NAME OF OPERATOR: XTO ENERGY INC.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: 382 CR 3100 CITY AZTEC STATE NM ZIP 87410		7. UNIT or CA AGREEMENT NAME: RIVERBEND UNIT
PHONE NUMBER: (505) 333-3100		8. WELL NAME and NUMBER: RBU 31-13E
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2433' FSL & 2036' FEL COUNTY: UINTAH		9. API NUMBER: 4304738547
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSE 13 10S 19E S STATE: UTAH		10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 9/30/2008	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: SEPTEMBER '08
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	MONTHLY REPORT

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Attached is XTO Energy's monthly report for the period of 9/01/2008 thru 9/30/2008.

NAME (PLEASE PRINT) WANETT MCCAULEY TITLE FILE CLERK  
SIGNATURE *Wanett McCauley* DATE 10/3/2008

(This space for State use only)

RECEIVED  
OCT 06 2008  
DIV. OF OIL, GAS & MINING

# EXECUTIVE SUMMARY REPORT

9/1/2008 - 9/30/2008  
Report run on 10/1/2008 at 2:33 PM

---

Riverbend Unit 31-13E - Natural Buttes, 13, 10S, 19E, Uintah, Utah, ,  
Roosevelt,

AFE: 717124

Objective: Drill & Complete a Natural Buttes gas well

9/27/2008

MI&RU PETE MARTIN DRILLING AND DRILLED 40' OF 20'' HOLE & SET 40' OF 14''  
CONDUCTOR - CMT. TO SURFACE WITH READY MIX

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0137  
Expires July 31, 2010

**DOGM COPY**

**SUNDRY NOTICES AND REPORTS ON WELLS**

**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. <b>U-013765</b>
2. Name of Operator <b>XTO Energy Inc.</b>		6. If Indian, Allottee or Tribe Name <b>N/A</b>
3a. Address <b>382 CR 3100 Aztec, NM 87410</b>	3b. Phone No. (include area code) <b>505-333-3100</b>	7. If Unit or CA/Agreement, Name and/or No. <b>RIVER BEND UNIT</b>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>2433' FSL &amp; 2036' FEL NWSE SEC 13-T10S-19E</b>  <b>1350' FSL &amp; 2400' FEL NWSE</b>		8. Well Name and No. <b>RBU #31-13E</b>
		9. API Well No. <b>43-047-38547</b>
		10. Field and Pool, or Exploratory Area <b>NATURAL BUTTES</b>
		11. County or Parish, State <b>UINTAH UT</b>

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <b>EXT TD DEPTH</b>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

XTO Energy Inc., proposes to extend TD depth to 9200' MD and has received verbal approval per email conversation on October 30, 2008, between Ryan Angus and John Egelston (see attached).

**Approved by the  
Utah Division of  
Oil, Gas and Mining**

Date: 11-05-08

By: [Signature]

COPY SENT TO OPERATOR

Date: 11.10.2008

Initials: KS

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) <b>JENNIFER M. HEMBRY</b>		Title <b>FILE CLERK</b>
Signature <u>Jennifer M. Hembry</u>		Date <b>10/30/2008</b>
<b>THIS SPACE FOR FEDERAL OR STATE OFFICE USE</b>		
Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	
Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.		

**RECEIVED**

**NOV 03 2008**

**DOGM COPY**

**DIV. OF OIL, GAS & MINING**



Ryan\_Angus@blm.gov

10/30/2008 09:09 AM

To John\_Egelston@xtoenergy.com

cc Bobby\_Jackson@xtoenergy.com, escotchi@hotmail.com,  
Nancy\_Gibson@xtoenergy.com

bcc

Subject Re: RBU 31-13E

That is correct. I will wait for the hard copy to come in.

Ryan Angus  
Petroleum Engineer  
Vernal Field Office  
Office: (435) 781-4430  
Fax: (435) 781-4410

John\_Egelston@xto  
energy.com

10/30/2008 08:34  
AM

ryan\_angus@blm.gov

Nancy\_Gibson@xtoenergy.com,  
Bobby\_Jackson@xtoenergy.com,  
escotchi@hotmail.com

To

cc

Subject

RBU 31-13E

Ryan,

This e-mail is confirming our phone conversation that XTO does have a verbal approval to extend TD of this well to 9200' MD. The well is in the SE/4 of section 13, T10S, R19E and is lease number U-013765.

We'll send you a notice of intent today or tomorrow.

Thanks!

John Egelston, PE  
Drilling Engineer  
XTO Energy  
Ofc: 505.333.3163  
Fax: 505.333.3282  
Mob: 505.330.6902

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: U-013765
2. NAME OF OPERATOR: XTO ENERGY INC.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: 382 CR 3100 CITY AZTEC STATE NM ZIP 87410		7. UNIT or CA AGREEMENT NAME: RIVERBEND UNIT
PHONE NUMBER: (505) 333-3100		8. WELL NAME and NUMBER: RBU 31-13E
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2433' FSL & 2036' FEL		9. API NUMBER: 4304738547
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSE 13 10S 19E S		10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
COUNTY: UINTAH		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 10/31/2008	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: OCTOBER 08
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	MONTHLY REPORT

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Attached is XTO Energy's monthly report for the period of 10/01/2008 thru 10/31/2008.

NAME (PLEASE PRINT) JENNIFER M. HEMBRY	TITLE FILE CLERK
SIGNATURE <i>Jennifer M. Hembry</i>	DATE 11/5/2008

(This space for State use only)

# EXECUTIVE SUMMARY REPORT

10/1/2008 - 10/31/2008  
Report run on 11/4/2008 at 12:37 PM

Riverbend Unit 31-13E - Natural Buttes, 13, 10S, 19E, Uintah, Utah, ,  
Roosevelt,

AFE: 717124

Objective: Drill & Complete a Natural Buttes gas well

10/19/2008 SKID RIG FROM RBU 25/13 E T/RBU 31-13 E - RIG UP & NIPPLE UP DIVERTER - P/U  
MWD TOOLS & DRILL SL/ROT. F/64' T/490'  
MUD 9.8 / 40 - SURVEY @ 458' 5.28 Deg. 200.83 Az

10/20/2008 ===== Riverbend Unit 31-13E =====  
DRILL F/490' T/1779' SL//ROT  
MUD 9.8/34 - SURVEY @ 1706' 19.08 Deg. 197.65 Az

10/21/2008 ===== Riverbend Unit 31-13E =====  
DRILL F/1779' T/2300' - CIRC. & COND. - TRIP OUT & LAY DOWN MWD TOOLS -  
RUNNING 9 5/8" SURF. CSG.  
MUD 9.7 / 35 - SURVEY @ 2258' 20.05 Deg. 197.65 Az

10/22/2008 ===== Riverbend Unit 31-13E =====  
RAN 50 JTS 9 5/8" 36# J-55 SET @ 2279' - CMT WITH SUPERIOR LEAD 240 SK TYPE  
III 10.5 PPG 4.15 YIELD TAIL 250 SK 'G' 15.7 PPG 1.16 YIELD - 18 BBL CMT TO  
SURF. STAYED FULL - NIPPLE DOWN DIVERTER & NIPPLE UP 11' BOP - TEST TO  
250/5000 - P/U MWD TPIP IN & DRILL CMT. & FLOAT EQ. F/2200'  
MUD 9.3 / 35

10/23/2008 ===== Riverbend Unit 31-13E =====  
DRILL F/2300' T/3782' SL/ROT HOLDING ANGLE  
MUD 9.5 / 33 - SURVEY @ 3769' 15.65 Deg. 197.92 Az

10/24/2008 ===== Riverbend Unit 31-13E =====  
DRILL F/3782' T/4385' SL/ROT TO DROP ANGLE - TRIP OUT & LAY DOWN MWD TOOLS -  
TRIP IN WITH STRIGHT HOLE BHA  
MUD 9.5 / 35 - SURVEY @ 4339' 4.75 Deg. 192.03 Az

10/25/2008 ===== Riverbend Unit 31-13E =====  
WASH & REAM TIGHT SPOTS F/2600' T/4385' - DRILL F/4385' T/5590'  
MUD 9.7/40 - SURVEY @ 5142' 3 Deg.

10/26/2008 ===== Riverbend Unit 31-13E =====  
DRILL F/5590' T/6710'  
MUD 9.8 / 40 - SURVEY @ 5587' 2 1/2 Deg.

10/27/2008 ===== Riverbend Unit 31-13E =====  
DRILL F/6710' T/7521'  
MUD 9.8 / 41 - SURVEY @ 6666' 2 Deg.

10/28/2008 ===== Riverbend Unit 31-13E =====  
DRILL F/7521' T/8055'  
MUD 9.7 / 41 - SURVEY @ 7588' 1 1/4 Deg.

10/29/2008 ===== Riverbend Unit 31-13E =====  
DRILL F/8055' T/8620'  
MUD 9.8/41

10/30/2008 ===== Riverbend Unit 31-13E =====  
DRILL F/8620' T/9056'  
MUD 10.1 / 42

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER \_\_\_\_\_

2. NAME OF OPERATOR:  
XTO ENERGY INC.

3. ADDRESS OF OPERATOR:  
382 CR 3100 CITY AZTEC STATE NM ZIP 87410

PHONE NUMBER:  
(505) 333-3100

5. LEASE DESIGNATION AND SERIAL NUMBER:  
U-013765

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  
N/A

7. UNIT OR CA AGREEMENT NAME:  
RIVERBEND UNIT

8. WELL NAME and NUMBER:  
RBU 31-13E

9. API NUMBER:  
4304738547

10. FIELD AND POOL, OR WILDCAT:  
NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2433' FSL & 2036' FEL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSE 13 10S 19E S

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON	
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 11/30/2008	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: DECEMBER 08 MONTHLY REPORT	
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION		

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Attached is XTO Energy's monthly report for the period of 11/01/2008 thru 11/30/2008.

NAME (PLEASE PRINT) JENNIFER M. HEMBRY

TITLE REGULATORY CLERK

SIGNATURE

DATE 12/5/2008

(This space for State use only)

RECEIVED

DEC 09 2008

DIV. OF OIL, GAS & MINING



# EXECUTIVE SUMMARY REPORT

11/1/2008 - 11/30/2008  
Report run on 12/3/2008 at 5:15 PM

Riverbend Unit 31-13E - Natural Buttes, 13, 10S, 19E, Uintah, Utah, ,  
Roosevelt,

AFE: 717124

Objective: Drill & Complete a Natural Buttes gas well

Rig Information: TWS, 2,

11/1/2008

Run Open Hole Logs w/Schlumberger to 9235' KB. Strap Pipe & TIH to 9270' KB. 35' of Fill. Circulate. TOOH LD Pipe & BHA w/Franks Westates. Pull Wear Bushing. PU & Run 204 Jts 5.500" 17# Seah 80 LT&C Casing to 9246' KB. Wash & Ream 5.5000" Casing f/9231' to 9246' KB. Circulate & Condition Hole for Cement Job.

Run Open Hole Logs w/Schlumberger to 9235' KB. Strap Pipe & TIH to 9270' KB. 35' of Fill. Circulate. TOOH LD Pipe & BHA w/Franks Westates. Pull Wear Bushing. PU & Run 204 Jts 5.500" 17# Seah 80 LT&C Casing to 9246' KB. Wash & Ream 5.5000" Casing f/9231' to 9246' KB. Circulate & Condition Hole for Cement Job.

11/2/2008

===== Riverbend Unit 31-13E =====

Circulate & Wait on Superior Cementing Crews. RU Superior. Cement w/Lead G Cement 11.6 # 2.49 yield 14.49 gal/sk. 290 sks 128.6 bbls. Tail G Cement 13.0 # 1.73 yield 8.88 gal/sk. Displace w/213 bbls 2% kcl & Production Chemicals. Casing Run 204 Jts & 2 Marker Jts 5.500" 17# Seah 80 LT&C Casing to 9246' KB. Top of Float Collar @ 9197.85. Clean Pit & Rig Down Rig. Rig Released @ 0600 A.M. 11/2/2008. Moving Frontier 6 Drilling Rig To RBU 14-8EX.

Circulate & Wait on Superior Cementing Crews. RU Superior. Cement w/Lead G Cement 11.6 # 2.49 yield 14.49 gal/sk. 290 sks 128.6 bbls. Tail G Cement 13.0 # 1.73 yield 8.88 gal/sk. Displace w/213 bbls 2% kcl & Production Chemicals. Casing Run 204 Jts & 2 Marker Jts 5.500" 17# Seah 80 LT&C Casing to 9246' KB. Top of Float Collar @ 9197.85. Clean Pit & Rig Down Rig. Rig Released @ 0600 A.M. 11/2/2008. Moving Frontier 6 Drilling Rig To RBU 14-8EX.

11/7/2008

===== Riverbend Unit 31-13E =====

Cont rpt for AFE # 717124 to D&C. MIRU PerfoLog WL. RIH w/4.8 GR to 9174' FS. RIH W/ GR/CCL/CBL logging tls. Tgd @ 9174'. Run CBL under 750 psig fr/9174' - 500' FS. Log indic TOC @ 775'. POH & LD logging tls. RU pmp trk. PT csg & frac vlv to 5000 psig (OK). POH & RDMO WL. SWI & SDFN. Rpts suspd until further activity.  
CBL / PT

11/19/2008

===== Riverbend Unit 31-13E =====

SICP 0 psig. MIRU Casedhole Solutions WLU. Held safety mtg. RIH perf MV stg #1 w/3-1/8" csg guns loaded w/ Titan EXP-3323-361T, 22.7 gm chrgs, fr/9,078' - 9,080', 9,083' - 9,085', 9,089' - 9,091', 9,099' - 9,101', 9,141' - 9,150', w/2 JSPF (120 deg phasing, 0.36" EHD, 35.63" pene., 39 holes). POH & LD perf guns. SWI & SDFN.

===== Riverbend Unit 31-13E =====

# EXECUTIVE SUMMARY REPORT

11/1/2008 - 11/30/2008  
Report run on 12/3/2008 at 5:15 PM

11/20/2008

SICP 0 psig. MIRU HES and CHS WLU. Held safety mtg & PT all surface lines to 7,500 psig, held gd. W/MV stg #1 perf'd w/3-1/8" csg guns loaded w/ Titan EXP-3323-361T, 22.7 gm chrgs, fr/9,078' - 9,150', w/2 JSPF (120 deg phasing, 0.36" EHD, 35.63" pene., 39 holes). BD MV stg #1 perfs w/2% KCL wtr and EIR. A. MV perfs f/9,078' - 9,150' w/1,050gals of 7-1/2% NEFE HCL acid and 59 Bio-BS @ 12 bpm dwn 5-1/2" csg. ISIP 3,415 psig, surge balls off perfs, wait 5". Frac'd MV stg #1 perfs fr/9,078' - 9,150', dwn 5-1/2" csg w/34,451 gallons wtr, 55Q N2 foam gelled fld (Delta-R Foam Frac), 2% KCl wtr carrying 49,800# Premium White 20/40 sd, coated w/ Expedite Lite. Max sd conc 3 ppg, ISIP 3,510 psig, 5" SIP 3,214 psig, used 541,000 mscf of N2, ATP 4,498 psig, 820 BLWTR. RIH & set 6K CBP @ 9,000'. PT plg to 6,000 psig, gd tst. RIH w/ 3-1/8" csg guns loaded w/ Titan EXP-3323-361T, 22.7 gm chrgs. Perf MV stage #2 intv fr/8,840' - 8,861', w/2 JSPF (120 deg phasing, 0.36" EHD, 35.63" pene., 43 holes). POH & LD perf guns. Spearhead 1,000 gals 7.5% HCL and frac'd MV stg #2 perfs fr/8,840' - 8,861', dwn 5-1/2" csg w/23,967 gallons wtr, 55Q N2 foam gelled fld (Delta-R Foam Frac), 2% KCl wtr carrying 44,600# Premium White 20/40 sd, coated w/ Expedite Lite. Max sd conc 3 ppg, ISIP 3,075 psig, 5" SIP 2,825 psig, used 465,000 mscf of N2, ATP 4,185 psig, 571 BLWTR. RIH & set 6K CBP @ 8,630'. PT plg to 6,000 psig, gd tst. RIH w/ 3-1/8" csg guns loaded w/ Titan EXP-3323-361T, 22.7 gm chrgs. Perf MV stage #3 intv fr/8,448' - 8,451', 8,458' - 8,460', 8,466' - 8,469', 8,476' - 8,478', 8,483' - 8,486', 8,503' - 8,506', 8,509' - 8,512', 8,516' - 8,518', w/2 JSPF (120 deg phasing, 0.36" EHD, 35.6 pene., 50 holes). POH & LD perf guns. BD MV stg #3 perfs w/2% KCL wtr and EIR. A. MV perfs f/8,448' - 8,518' w/1,350gals of 7-1/2% NEFE HCL acid and 75 Bio-BS @ 12 bpm dwn 5-1/2" csg. ISIP 1,981 psig, surge balls off perfs, wait 5". SWI & SDFN.

11/21/2008

===== Riverbend Unit 31-13E =====

SICP 0,000 psig. Frac'd MV stg #3 perfs fr/8,448' - 8,518', dwn 5-1/2" csg w/61,802 gallons wtr, 55Q N2 foam gelled fld (Delta-R Foam Frac), 2% KCl wtr carrying 158,700# Premium White 20/40 sd, coated w/ Expedite Lite. Max sd conc 3 ppg, ISIP 3,735 psig, 5" SIP 3,545 psig, used 1,500,000 mscf of N2, ATP 4,984 psig, 1,472 BLWTR. RIH & set 6K CBP @ 8,420'. PT plg to 6,000 psig, gd tst. RIH w/ 3-1/8" csg guns loaded w/ Titan EXP-3323-361T, 22.7 gm chrgs. Perf MV stage #4 intv fr/8,346' - 8,351', 8,355' - 8,361', 8,364' - 8,369', 8,372' - 8,377', w/2 JSPF (120 deg phasing, 0.36" EHD, 35.63" pene., 46 holes). POH & LD perf guns. Spearhead 1,000 gals 7.5% HCL and frac'd MV stg #4 perfs fr/8,346' - 8,377', dwn 5-1/2" csg w/31,213 gallons wtr, 55Q N2 foam gelled fld (Delta-R Foam Frac), 2% KCl wtr carrying 76,400# Premium White 20/40 sd, coated w/ Expedite Lite. Max sd conc 3 ppg, ISIP 4,095 psig, 5" SIP 3,795 psig, used 814,000 mscf of N2, ATP 5,101, 743 BLWTR. RIH & set 6K CBP @ 8,050'. PT plg to 6,000 psig, gd tst. RIH w/ 3-1/8" csg guns loaded w/ Titan EXP-3323-361T, 22.7 gm chrgs. Perf MV stage #5 intv fr/7,766' - 7,770', 7,878' - 7,885', 7,888' - 7,895', w/2 JSPF (120 deg phasing, 0.36" EHD, 35.63" pene., 39 holes). POH & LD perf guns. BD MV stg #5 perfs w/2% KCL wtr and EIR. A. MV perfs f/7,766' - 7,895' w/1,150gals of 7-1/2% NEFE HCL acid and 39 Bio-BS @ 12 bpm dwn 5-1/2" csg. ISIP 1,305 psig, surge balls off perfs, wait 5". Frac'd MV stg #5 perfs fr/7,766' - 7,895', dwn 5-1/2" csg w/29,569 gallons wtr, 70Q N2 foam gelled fld (Delta-R Foam Frac), 2% KCl wtr carrying 66,200# Premium White 20/40 sd, coated w/ Expedite Lite. Max sd conc 3 ppg, ISIP 2,920 psig, 5" SIP 2,550 psig, used 828,000 mscf of N2, ATP 4,326 psig, 704 BLWTR. SWI & SDFN.

===== Riverbend Unit 31-13E =====

# EXECUTIVE SUMMARY REPORT

11/1/2008 - 11/30/2008  
Report run on 12/3/2008 at 5:15 PM

11/22/2008

RIH & set 6K CBP @ 5,910'. PT plg to 6,000 psig, gd tst. RIH w/ 3-1/8" csg guns loaded w/ Titan EXP-3323-361T, 22.7 gm chrgs. Perf UB stage #6 intv fr/6,993' - 6,998', 7,051' - 7,056', w/2 JSPF (120 deg phasing, 0.36" EHD, 35.63" pene., 22 holes). POH & LD perf guns. BD UB stg #6 perfs w/2% KCL wtr and EIR. A. UB perfs f/6,993' - 7,056' w/750gals of 7-1/2% NEFE HCL acid and 33 Bio-BS @ 12 bpm dwn 5-1/2" csg. ISIP 1,115 psig, surge balls off perfs, wait 5". HES over pressured their 10K 4" lines to 15K, resulting in the 4" lines having to be changed out and re-tstd. Frac'd UB stg #6 perfs fr/6,993' - 7,056', dwn 5-1/2" csg w/21,390 gallons wtr, 70Q N2 foam gelled fld (Delta-R Foam Frac), 2% KCl wtr carrying 26,800# Premium White 20/40 sd, coated w/ Expedite Lite. Max sd conc 4 ppg, ISIP 2,925 psig, 5" SIP 2,520 psig, used 281,000 mscf of N2, ATP 4,199 psig, 509 BLWTR. RIH & set 6K CBP @ 6,320'. PT plg to 6,000 psig, gd tst. RIH w/ 3-1/8" csg guns loaded w/ Titan EXP-3323-361T, 22.7 gm chrgs. Perf CW stage #7 intv fr/6,052' - 6,056', 6,176' - 6,181', w/2 JSPF (120 deg phasing, 0.36" EHD, 35.63" pene., 20 holes). POH & LD perf guns. BD CW stg #7 perfs w/2% KCL wtr and EIR. A. CW perfs f/6,052' - 6,181' w/750gals of 7-1/2% NEFE HCL acid and 30 Bio-BS @ 12 bpm dwn 5-1/2" csg. ISIP 997 psig, surge balls off perfs, wait 5". Frac'd CW stg #7 perfs fr/6,052' - 6,181', dwn 5-1/2" csg w/17,568 gallons wtr, 70Q N2 foam gelled fld (Delta-R Foam Frac), 2% KCl wtr carrying 21,800# Premium White 20/40 sd, coated w/ Expedite Lite. Max sd conc 4 ppg, ISIP 2,025 psig, 5" SIP 985 psig, used 200,000 mscf of N2, ATP 2,075 psig, 418 BLWTR.

RIH & set 6K CBP @ 6,000'. PT plg to 6,000 psig, gd tst. RIH w/ 3-1/8" csg guns loaded w/ Titan EXP-3323-361T, 22.7 gm chrgs. Perf CW stage #8 intv fr/5,676' - 5,683', 5,748' - 5,750', 5,860' - 5,863', w/2 JSPF (120 deg phasing, 0.36" EHD, 35.63" pene., 27 holes). POH & LD perf guns. BD CW stg #8 perfs w/2% KCL wtr and EIR. A. CW perfs f/5,676' - 5,863' w/750gals of 7-1/2% NEFE HCL acid and 41 Bio-BS @ 12 bpm dwn 5-1/2" csg. ISIP 1,675 psig, surge balls off perfs, wait 5". Frac'd CW stg #8 perfs fr/5,676' - 5,863', dwn 5-1/2" csg w/18,290 gallons wtr, 70Q N2 foam gelled fld (Delta-R Foam Frac), 2% KCl wtr carrying 38,500# Premium White 20/40 sd, coated w/ Expedite Lite. Max sd conc 4 ppg, ISIP 2,000 psig, 5" SIP 1,875 psig, used 311,000 mscf of N2, ATP 3,250 psig, 436 BLWTR. RIH & set 6K CBP @ 5,200'. SWI & SDFN. 5,674 BLWTR ttl. Rpts suspd until further activity.

===== Riverbend Unit 31-13E =====

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: U-013765
2. NAME OF OPERATOR: XTO ENERGY INC.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: 382 CR 3100 CITY AZTEC STATE NM ZIP 87410		7. UNIT or CA AGREEMENT NAME: RIVERBEND UNIT
PHONE NUMBER: (505) 333-3100		8. WELL NAME and NUMBER: RBU 31-13E
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2433' FSL & 2036' FEL		9. API NUMBER: 4304738547
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSE 13 10S 19E S		10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
COUNTY: UINTAH		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 12/31/2008	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: DECEMBER 08 MONTHLY REPORT
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Attached is XTO Energy's monthly report for the period of 12/01/2008 thru 12/31/2008.

NAME (PLEASE PRINT) JENNIFER M. HEMBRY	TITLE REGULATORY CLERK
SIGNATURE <i>Jennifer M. Hembry</i>	DATE 1/5/2009

(This space for State use only)

RECEIVED  
JAN 12 2009  
DIV. OF OIL, GAS & MINING

# EXECUTIVE SUMMARY REPORT

12/1/2008 - 12/31/2008  
Report run on 1/5/2009 at 9:23 AM

## Riverbend Unit 31-13E - Riverbend Unit 31-13E

Section 13-10S-19E, Uintah, Utah, Roosevelt

Objective: Drill & Complete a Natural Buttes gas well

Date First Report: 9/26/2008

Last Casing String:

Method of Production:

12/2/2008 SICP 0 psig. MIRU Temples WS #2. ND frac vlv. NU BOP. PU & TIH w/4-3/4" rock tooth, safety sub, BRS, 2-3/8" SN & 159 jts 2-3/8", L-80, 4.7#, EUE, 8rd tbg. EOT @ 5,200'. RU pwr swivel. SWI & SDFN. CW/UB/MV perfs fr/5,676' - 9,150'. 5,674 BLWTR.

12/3/2008 ===== Riverbend Unit 31-13E =====  
SITP 0 psig, SICP 0 psig Cont to TIH w/4-3/4" rock tooth bit, SS, BRS, SN, & 2-3/8" tbg. DO 5-1/2" CBP's @ 5,200', 6,000' (CO 24' sd abv plg), 6,320' (CO 30' sd abv plg), 7,200' (CO 45' sd abv plg), 8,050' (CO 38' sd abv plg), 8,420' (CO 30' sd abv plg), 8,630' (CO 25' sd abv plg), & 9,000' (CO 20' sd abv plg). TIH CO 43' to PBD @ 9,197'. Circ well cln, LD 11 jts of tbg, Ld 269 jts 2-3/8", 4.7#, L-80, 8rd tbg on hgr w/EOT @ 8,842', & SN 8,840'. RU swb tls. RIH w/ XTO's 1.90" tbg broach to SN @ 8,840' (no ti spts). POH & LD broach. ND BOP. NU WH. Ppd off bit & 1/2 of BRS @ 700 psig. SWI & SDFN. RDMO rig and equip. Ttl fl ppd 320 bbls, Ttl fl rec 580 bbls, 5,414 BLWTR ttl.

----- Tubing Strings -----

12/4/2008 ===== Riverbend Unit 31-13E =====  
OWU @ 08:00. FTP 650 psig, SICP 1,600 psig. F. 0 BO, 304 BLW, 9 hrs, FTP 650 - 550 psig, SICP 1,600 - 1,500 psig, 32-24/64" ck. Rets of tr sd, gas, wtr. 5,414 BLWTR ttl. CW/UB/MV perfs fr/5,676' - 9,150'.

12/5/2008 ===== Riverbend Unit 31-13E =====  
FTP 600 psig, SICP 1,500 psig. F. 0 BO, 563 BLW, 24 hrs, FTP 600 - 350 psig, SICP 1,500 - 1,050 psig, 24/64" ck. Rets of tr sd, gas, wtr. 4,851 BLWTR ttl. CW/UB/MV perfs f/5,676' - 9,150'.

12/6/2008 ===== Riverbend Unit 31-13E =====  
FTP 350 psig, SICP 1,050 psig. F. 0 BO, 408 BLW, 24 hrs, FTP 350 - 350 psig, SICP 1,050 - 850 psig, 24/64" ck. Rets of tr sd, gas, wtr. 4,443 BLWTR ttl. CW/UB/MV perfs f/5,676' - 9,150'.

12/7/2008 ===== Riverbend Unit 31-13E =====  
FTP 350 psig, SICP 850 psig. F. 0 BO, 186 BLW, 24 hrs, FTP 350 - 350 psig, SICP 850 - 750 psig, 24/64" ck. Rets of tr sd, gas, wtr. 4,257 BLWTR ttl. CW/UB/MV perfs f/5,676' - 9,150'.

12/8/2008 ===== Riverbend Unit 31-13E =====  
FTP 350 psig, SICP 750 psig. F. 0 BO, 146 BLW, 24 hrs, FTP 350 - 350 psig, SICP 750 - 700 psig, 24/64" ck. Rets of tr sd, gas, wtr. 4,111 BLWTR ttl. CW/UB/MV perfs f/5,676' - 9,150'.

===== Riverbend Unit 31-13E =====

## EXECUTIVE SUMMARY REPORT

12/1/2008 - 12/31/2008  
Report run on 1/5/2009 at 9:23 AM

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12/9/2008

FTP 350 psig, SICP 700 psig. F. 0 BO, 73 BLW, 15 hrs, FTP 350 - 300 psig,  
SICP 700 - 650 psig, 24/64" ck. Rets of tr sd, gas, wtr. 4,038 BLWTR ttl.  
CW/UB/MV perfs f/5,676' - 9,150'. SWI @ 09:00.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

DOGM COPY

FORM APPROVED  
OMB NO. 1004-0137  
Expires July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

XTO Energy Inc.

3a. Address

382 CR 3100 Aztec, NM 87410

3b. Phone No. (include area code)

505-333-3100

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SHL: 2433' FSL & 2036' FEL NWSE SEC 13, T10S, R19E SLB&M

BHL: 1350' FSL & 2400' FEL NWSE SEC 13, T10S, R19E SLB&M

5. Lease Serial No.

U-013765

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA/Agreement, Name and/or No.

RIVERBEND UNIT

8. Well Name and No.

RBU 31-13E

9. API Well No.

43-047-38547

10. Field and Pool, or Exploratory Area

NATURAL BUTTES

WASATCH-MESA VERDE

11. County or Parish, State

UINTAH

UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- |   |   |  |   |
|---|---|--|---|
| <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen           | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off                       |
| <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity                       |
| <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete                | <input checked="" type="checkbox"/> Other <u>1ST DELIVERY</u> |
| <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon       |   |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back        | <input type="checkbox"/> Water Disposal            |   |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

XTO Energy, Inc. first delivered this well to Questar Gas Management @ 1400 hours on Monday, 2/9/2009.

IFR 1,000 MCFPD.

XTO Allocation Meter #RS1553RF.

RECEIVED

FEB 10 2009

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

BARBARA A. NICOL

Title REGULATORY CLERK

Signature

Barbara A. Nicol

Date 02/10/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

DOGM COPY

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.


1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____	5. LEASE DESIGNATION AND SERIAL NUMBER: U-013765
2. NAME OF OPERATOR: XTO ENERGY INC.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: 382 CR 3100 CITY AZTEC STATE NM ZIP 87410	7. UNIT or CA AGREEMENT NAME: RIVERBEND UNIT
PHONE NUMBER: (505) 333-3100	8. WELL NAME and NUMBER: RBU 31-13E
	9. API NUMBER: 4304738547
	10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL FOOTAGES AT SURFACE: 2433' FSL x 2036' FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 13 10S 19E S	COUNTY: UINTAH STATE: UTAH
---	-------------------------------

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: February 09 MONTHLY REPORT
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 1/31/2009			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Attached is XTO Energy's monthly report for the period of 2/1/2009 thru 2/28/2009

NAME (PLEASE PRINT) EDEN FINE	TITLE REGULATORY CLERK
SIGNATURE 	DATE 3/4/2009

(This space for State use only)

RECEIVED  
MAR 09 2009  
DIV. OF OIL, GAS & MINING



# EXECUTIVE SUMMARY REPORT

2/1/2009 - 2/28/2009  
Report run on 3/3/2009 at 11:25 AM

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## Riverbend Unit 31-13E

Section 13-10S-19E, Uintah, Utah, Roosevelt

Objective: Drill & Complete a Natural Buttes gas well

Date First Report: 9/26/2008

Method of Production: Flowing

2/9/2009

The River Bend Unit 31-13E was first delivered to Questar Gas Management through the #3 Tap CDP @ 2:00 p.m., Monday, 2/9/09. IFR 1000 MCFPD.

This well is in Uintah County, Utah.

This well is on Route #205.

This is a WA/MV well.

Accounting #165673.

AFE #717124.

XTO allocation Meter # RS1553RF.

RTU Group 10

Address 78.

#3 Tap CDP Meter #RS0931C.

Tank # E1250.

2/10/2009

Riverbend Unit 31-13E =====  
SITP 10 psig, SICP 1300 psig. MIRU D&S Swabbing SWU. SN @ 8,840'. RU & RIH w/swb tls. BFL FS @ 3,200', 8 runs, 10 hrs, 0 BO, 40 BW, FFL FS @ 3,200'. SWI. SDFN.

2/11/2009

Riverbend Unit 31-13E =====  
SITP 10 psig, SICP 1340 psig. D&S Swabbing SWU. SN @ 8,840'. RU & RIH w/swb tls. BFL FS @ 3,100', 7 runs, 7 hrs, 0 BO, 17BW, FFL FS @ 1,000'. SWI. RDMO D & S Swabbing SWU.

2/12/2009

===== Riverbend Unit 31-13E =====  
SITP 200 psig, SICP 1350 psig. MIRU C & S Swabbing SWU. BD tbg. SN @ 8,840'. RU & RIH w/swb tls. BFL FS @ 3,700', 17 runs, 10 hrs, 0 BO, 102 BW, FFL FS @ 2,200'. KO wel flwg. SITP 350 psig, SICP 1060 psig. RWTP @ 5:00 p.m., 2/12/09. RDMO C & S Swabbing SWU.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires: November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE - Other Instructions on Reverse Side**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

XTO Energy, Inc.

3a. Address

978 North Crescent Road, Roosevelt, UT. 84066

3b. Phone No. (include area code)

435-722-4521

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2433' FSL & 2036' FEL NW/SE, SEC 13, 10S, 19E

5. Lease Serial No.

U-013765

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA/Agreement, Name and/or No.

891016035-A

8. Well Name and No.

RBU 31-13E

9. API Well No.

43-047-38547

10. Field and Pool, or Exploratory Area

Natural Buttes

11. County or Parish, State

Uintah County, Utah

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Acidize

☐ Altering Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☐ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☒ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☐ Other

Interim Reclamation

13 Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Reserve pit reclaimed & reseeded on 5/08/2009

RECEIVED

MAY 27 2009

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Heather Meek

Title Regulatory Compliance Technician

Signature

Heather Meek

Date

5/27/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0137  
Expires July 31, 2010

DOGM COPY

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5. Lease Serial No. U-013765							
b. Type of Completion: <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr., Other		6. If Indian, Allottee or Tribe Name N/A							
2. Name of Operator XTO Energy Inc.		7. Unit or CA Agreement Name and No. RIVERBEND UNIT							
3. Address 382 CR 3100 Aztec, NM 87410		8. Lease Name and Well No. RBU 31-13E							
3a. Phone No. (include area code) 505-333-3100		9. API Well No. 43-047-38547							
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 2433' FSL & 2036' FEL  At top prod. interval reported below  At total depth 1207' FSL & 2448' FEL		10. Field and Pool, or Exploratory NATURAL BUTTES - WASATCH-MV							
11. Sec., T., R., M., or Block and Survey or Area NWSE SEC 13-T10S-R19E		12. County or Parish UTAH							
13. State UTAH		17. Elevations (DF, RKB, RT, GL)* 5106' GL							
14. Date Spudded 9/26/2008	15. Date T.D. Reached 10/31/2008	16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 2/9/2009	20. Depth Bridge Plug Set: MD TVD						
18. Total Depth: MD TVD 9270' 9088'	19. Plug Back T.D.: MD TVD 9197' 9015	22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit copy)							
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CBL/GR; HRLA/GR; 3DL/CN; L/CN/HRLA; DS/GPIT/GR; CV/CP/GR		23. Casing and Liner Record (Report all strings set in well)							
Hole Size	Size/Grade	Wt. (#ft.)	Top (MD)	Bottom (MD)	Stage Cement Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20"	14/A252A	36.75#	0	64'		62.5/Redimix		SURF	
12-1/4"	9.6/J-55	36#	0	2279'		240/Type III		SURF	
"	"	"	"	"		250/G		"	
7-7/8"	5.5/S-80	17#	0	9246'		1025/G		775'	
24. Tubing Record									
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	
2-3/8"	8842'								
25. Producing Intervals					26. Perforation Record				
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status			
A) WASATCH-MV	5676'	9150'	5676' - 9150'	0.36"	286	OPEN			
B)									
C)									
D)									
27. Acid, Fracture, Treatment, Cement Squeeze, Etc.									
Depth Interval	Amount and Type of Material								
5676' - 9150'	A. w/2,000 gals of 7-1/2% HCL & 5,800 gals of 7-1/2% NEFE HCL acid. Frac'd w/ 202,474 gals 55Q N2 & 90,432 gals 70Q N2 gelled fld (Delta-R Foam Frac), 2% HCL wtr carrying 482,800# Premium White 20/40 sd, coated w/Expedite Lite.								
28. Production - Interval A									
Date First Produced 2/9/09	Test Date 2/15/09	Hours Tested 24	Test Production →	Oil BBL 2	Gas MCF 788	Water BBL 67	Oil Gravity Corr. API	Gas Gravity	Production Method FLOWING
Choke Size 48/64"	Tbg. Press. Flwg. SI 152	Csg. Press. 450	24 Hr. →	Oil BBL 2	Gas MCF 788	Water BBL 67	Gas: Oil Ratio	Well Status PRODUCING	
28a. Production-Interval B									
Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

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MAR 16 2009

DIV. OF OIL, GAS &amp; MINING

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

## 28c. Production-Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

TO BE SOLD

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GREEN RIVER	1350
				MAHOGENY BENCH	2151
				WASATCH TONGUE	4344
				UTELAND LIMESTONE	4691
				WASATCH	4862
				CHAPITA WELLS	5659
				UTELAND BUTTE	6926
				MESAVERDE	7724

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd)
 ☐ Geologic Report
 ☐ DST Report
 ☐ Directional Survey
- ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) BARBARA A. NICOLTitle REGULATORY CLERKSignature Barbara A. NicolDate 3/10/2009

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

# RIVER BEND UNIT 31-13E Directional Calculations from Surveys

## NATURAL BUTTES FIELD, UINTAH COUNTY, UT

### Section 13, T10S, R19E

#### XTO ENERGY, INC

Surface Coordinates @ G. Level:

2433 ft

FSL

2036 ft

FEL

### Survey Compilation Results

Description	Reference Depth	-S / +N Coord.	-W / +E Coord.
*Schlumberger Directional Svy (Inclinometer) from E-Log 10-31-08	9270' MD / 9088' TVD	-1226.04 (S)	-411.60 (W)
<i>* Note: Various Tie-in points with Pathfinder OH Svy's and Schlumberger OH Inclinometry is excellent -Use Schlum. Fig's</i>			
Compilation of Survey Results	9270' MD / 9088' TVD	-1226.04 (S)	-411.60 (W)

### Calculating BHL Displacement for RBU #31-13E into distances from lease line (Sec 13)

Subject Description	Reference Depth	Northing/So.	FSL	Easting/W	FEL
Surface Coordinates	Ground Level - Surf	2433'	FSL	2036'	FEL
BHL Coordinate Displacement	9270' MD / 9088' TVD	-1226.04 (S)		-411.60' (W)	
Distances FSL & FEL of Sec 13=	9270' MD / 9088' TVD	1206.96'	FSL	2447.60'	FEL

Calculation:  $[2433.00 - (1226.04)] = 1206.96'$  FSL or 1207' FSL

Calculation:  $2036' \text{ FEL} - (-411.60) = 2447.60'$  FEL or 2448' FEL

BHL from Section 10 Lease Lines:

1207'

FSL

2448'

FEL

@ a depth of 9270' MD and 9088' TVD

***DIRECTIONAL      SURVEY      REPORT***

***XTO ENERGY***

***RBU 31 – 13E***

***UINTAH COUNTY, UT***

***PREPARED BY:    Ian Shalosky***

January 12, 2009

**XTO ENERGY**  
**2700 Farmington Ave Bldg K, Suite 1**  
**Farmington , NM 87401**

**Attn: Justin Niederhofer**

**RE: XTO ENERGY**  
**RBU 31 – 13E**  
**Uintah Co., UT**  
**RIG: Frontier 6**  
**FILENAME: 101007972-WY-WY**

**Dear Sir:**

**We hereby certify that the enclosed Original Field Survey Data contained in this report represents to the best of our knowledge, a true and accurate survey of the well at the time the survey was ran.**

**SURVEY DATA**

- 1 - Original survey report and plot**
- 2 - Survey report copies and plots**

**We appreciate the opportunity to work with you and we look forward to your business support. If you have any questions, I can be reached at (307) 265-3145.**

**Sincerely,**

**Ian Shalosky**  
**MWD Coordinator**  
**PathFinder Energy Services**

**DIRECTIONAL SURVEY COMPANY REPORT:**

1. NAME OF SURVEYING COMPANY: PATHFINDER ENERGY SERVICES
2. NAME OF PERSON(S) PERFORMING SURVEY:
  - A. Dan Walker
  - B.
3. POSITION OF SAID PERSON(S): (A) SURVEYOR FIELD ENGINEER(s).
4. DATE(S) ON WHICH SURVEY WAS PERFORMED: 10/18/2008 TO 10/23/2008
5. STATE IN WHICH SURVEY WAS PERFORMED: ONSHORE, UTAH
6. LOCATION OF WELL: UINTAH CO., UT
7. TYPE OF SURVEY(S) PERFORMED: MWD
8. COMPLETE IDENTIFICATION OF WELL:

XTO ENERGY

RBU 31 - 13E

Uintah Co., UT

RIG:       Frontier 6
9. SURVEY CERTIFIED FROM: 155 TO 4339 FEET MEASURED DEPTH.
10. THIS IS TO VERIFY THAT ATTACHED DOCUMENTS SHOWING THE WELL TO BE DISPLACED AT 1136.91 FEET ON A BEARING OF 198.03 DEGREES FROM THE CENTER OF THE ROTARY TABLE AT PROJECTED MEASURED DEPTH OF 4384 FEET ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.



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Ian Shalosky  
MWD COORDINATOR



# PathFinder Energy Services, Inc.

## Survey Report

XTO Energy  
RBU 31-13E  
Uintah COUNTY, UT  
Rig:Frontier 6  
PathFinder Office Supervisor: Rich Arnold  
PathFinder Field Engineers: D. Walker

Survey Horiz. Reference:WELLHEAD  
Ref Coordinates: LAT:39.56.48.6200 N LON:109.43.44.4202 W  
GRID Reference:NAD83 utah central Lambert  
Ref GRID Coord: X: 2136886.6071 Y: 7154275.0335  
North Aligned To:TRUE NORTH  
Total Magnetic Correction:11.46° EAST TO TRUE  
Vertical Section Plane: 198.14  
Survey Vert. Reference: 19.00' Rotary Table To Ground  
Altitude:5106.00' Ground To MSL

Survey Calculations by PathCalc v1.99 using Minimum Curvature

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)	DLS (dg/100ft)	
TIE-IN TO SURFACE LOCATION.										
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00@ 0.00	0.00	
THE FOLLOWING ARE PATHFINDER MWD SURVEYS.										
155.00	0.35	347.24	155.00	155.00	-0.41	0.46 N	0.10 W	0.47@ 347.24	0.23	
214.00	0.35	290.20	214.00	59.00	-0.57	0.70 N	0.31 W	0.77@ 335.87	0.57	
258.00	0.26	250.56	258.00	44.00	-0.51	0.71 N	0.53 W	0.89@ 323.18	0.51	
306.00	0.97	220.50	305.99	48.00	-0.07	0.37 N	0.90 W	0.97@ 292.21	1.58	
336.00	1.76	217.52	335.99	30.00	0.60	0.19 S	1.35 W	1.36@ 261.93	2.64	
367.00	2.46	208.46	366.96	31.00	1.70	1.15 S	1.95 W	2.27@ 239.43	2.49	
397.00	3.25	201.26	396.93	30.00	3.19	2.51 S	2.57 W	3.59@ 225.63	2.89	
428.00	4.31	204.07	427.86	31.00	5.22	4.39 S	3.36 W	5.53@ 217.42	3.47	
458.00	5.28	200.82	457.75	30.00	7.72	6.71 S	4.31 W	7.98@ 212.71	3.36	
489.00	6.07	200.02	488.60	31.00	10.79	9.59 S	5.38 W	10.99@ 209.30	2.56	
519.00	7.03	200.02	518.41	30.00	14.21	12.80 S	6.55 W	14.38@ 207.10	3.20	
550.00	7.65	199.06	549.15	31.00	18.17	16.54 S	7.88 W	18.31@ 205.47	2.04	
581.00	8.44	198.44	579.85	31.00	22.50	20.64 S	9.27 W	22.63@ 204.18	2.56	
642.00	10.64	197.65	640.00	61.00	32.61	30.26 S	12.39 W	32.70@ 202.27	3.61	
703.00	12.66	197.65	699.74	61.00	44.93	42.00 S	16.13 W	44.99@ 201.01	3.31	
764.00	14.42	197.21	759.04	61.00	59.21	55.62 S	20.40 W	59.25@ 200.14	2.89	
825.00	15.92	195.63	817.91	61.00	75.16	70.93 S	24.90 W	75.18@ 199.34	2.55	
886.00	17.94	196.60	876.27	61.00	92.91	88.00 S	29.84 W	92.92@ 198.73	3.34	
948.00	19.43	196.30	935.00	62.00	112.77	107.05 S	35.46 W	112.77@ 198.33	2.41	
1008.00	19.79	195.46	991.52	60.00	132.89	126.41 S	40.97 W	132.89@ 197.96	0.76	
1072.00	19.70	196.16	1051.76	64.00	154.49	147.22 S	46.86 W	154.50@ 197.66	0.40	
1136.00	20.05	198.71	1111.94	64.00	176.24	167.97 S	53.38 W	176.25@ 197.63	1.46	
1199.00	19.79	199.85	1171.18	63.00	197.70	188.23 S	60.47 W	197.70@ 197.81	0.74	
1263.00	19.52	199.67	1231.45	64.00	219.22	208.49 S	67.75 W	219.22@ 198.00	0.43	

# PathFinder Energy Services, Inc.

## Survey Report

XTO Energy  
RBU 31-13E  
Uintah COUNTY, UT  
RIG:Frontier 6

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Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
1327.00	19.43	198.09	1291.79	64.00	240.55	228.68 S	74.65 W	240.55@	198.08	0.83
1389.00	19.96	198.53	1350.16	62.00	261.45	248.51 S	81.22 W	261.45@	198.10	0.89
1453.00	20.22	198.53	1410.26	64.00	283.43	269.36 S	88.20 W	283.43@	198.13	0.41
1516.00	19.79	198.27	1469.46	63.00	304.98	289.81 S	95.01 W	304.98@	198.15	0.70
1579.00	19.26	197.12	1528.84	63.00	326.04	309.86 S	101.41 W	326.04@	198.12	1.04
1643.00	18.99	197.56	1589.31	64.00	347.00	329.88 S	107.66 W	347.00@	198.07	0.48
1706.00	19.08	197.65	1648.86	63.00	367.55	349.46 S	113.87 W	367.55@	198.05	0.15
1768.00	18.55	197.92	1707.55	62.00	387.54	368.51 S	119.98 W	387.55@	198.03	0.87
1832.00	17.67	196.86	1768.38	64.00	407.44	387.49 S	125.93 W	407.44@	198.00	1.47
1895.00	16.71	196.95	1828.56	63.00	426.05	405.30 S	131.34 W	426.05@	197.96	1.52
1958.00	17.15	198.97	1888.83	63.00	444.39	422.75 S	137.00 W	444.40@	197.96	1.17
2021.00	17.59	199.59	1948.96	63.00	463.20	440.50 S	143.21 W	463.20@	198.01	0.76
2085.00	17.85	199.41	2009.92	64.00	482.67	458.86 S	149.72 W	482.67@	198.07	0.42
2149.00	18.73	199.32	2070.69	64.00	502.75	477.81 S	156.38 W	502.75@	198.12	1.38
2213.00	19.35	198.09	2131.19	64.00	523.63	497.59 S	163.07 W	523.63@	198.14	1.15
2258.00	20.05	197.65	2173.55	45.00	538.80	512.03 S	167.72 W	538.80@	198.14	1.59
2308.00	20.40	196.86	2220.47	50.00	556.08	528.53 S	172.85 W	556.08@	198.11	0.89
2372.00	19.61	197.04	2280.61	64.00	577.97	549.48 S	179.23 W	577.97@	198.07	1.24
2435.00	20.31	195.02	2339.83	63.00	599.46	570.15 S	185.16 W	599.46@	197.99	1.56
2498.00	21.54	195.98	2398.67	63.00	621.93	591.83 S	191.18 W	621.94@	197.90	2.03
2562.00	21.37	195.63	2458.23	64.00	645.32	614.35 S	197.56 W	645.33@	197.83	0.33
2625.00	21.46	196.77	2516.89	63.00	668.31	636.44 S	203.97 W	668.32@	197.77	0.68
2689.00	21.10	198.09	2576.52	64.00	691.53	658.60 S	210.93 W	691.55@	197.76	0.94
2752.00	19.61	196.60	2635.59	63.00	713.44	679.51 S	217.47 W	713.46@	197.75	2.50
2816.00	18.91	195.46	2696.00	64.00	734.54	699.80 S	223.30 W	734.56@	197.70	1.24
2880.00	19.79	195.72	2756.39	64.00	755.72	720.22 S	229.00 W	755.75@	197.64	1.38
2943.00	20.75	199.15	2815.49	63.00	777.54	741.03 S	235.55 W	777.57@	197.63	2.42
3005.00	21.00	200.29	2873.42	62.00	799.62	761.83 S	243.01 W	799.65@	197.69	0.77
3069.00	20.31	199.85	2933.31	64.00	822.18	783.03 S	250.76 W	822.20@	197.76	1.11

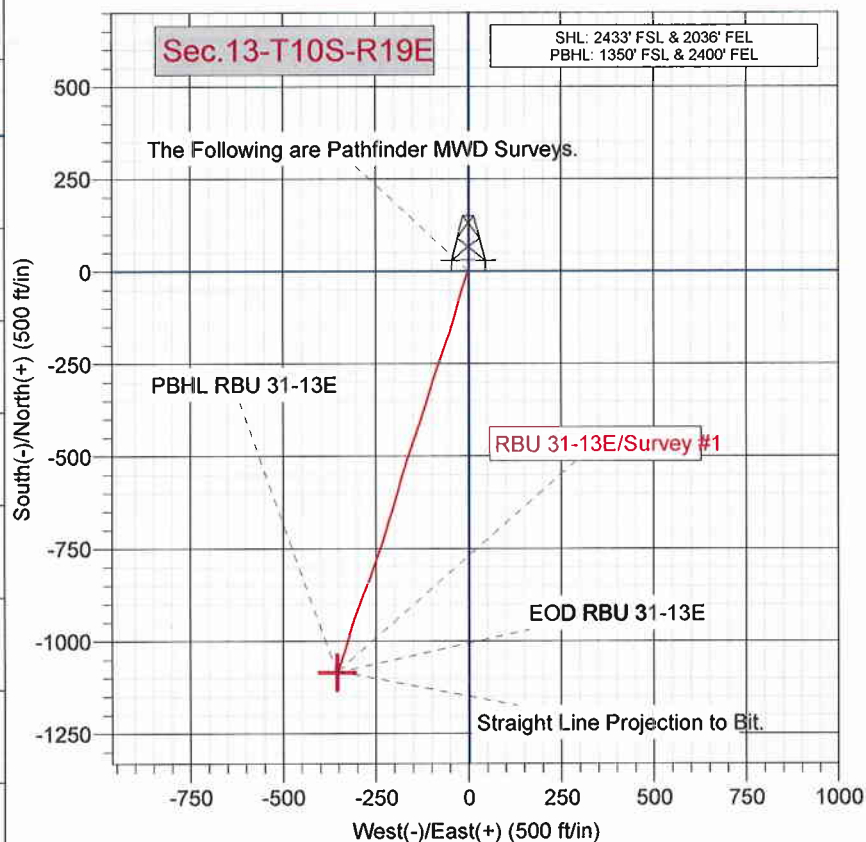
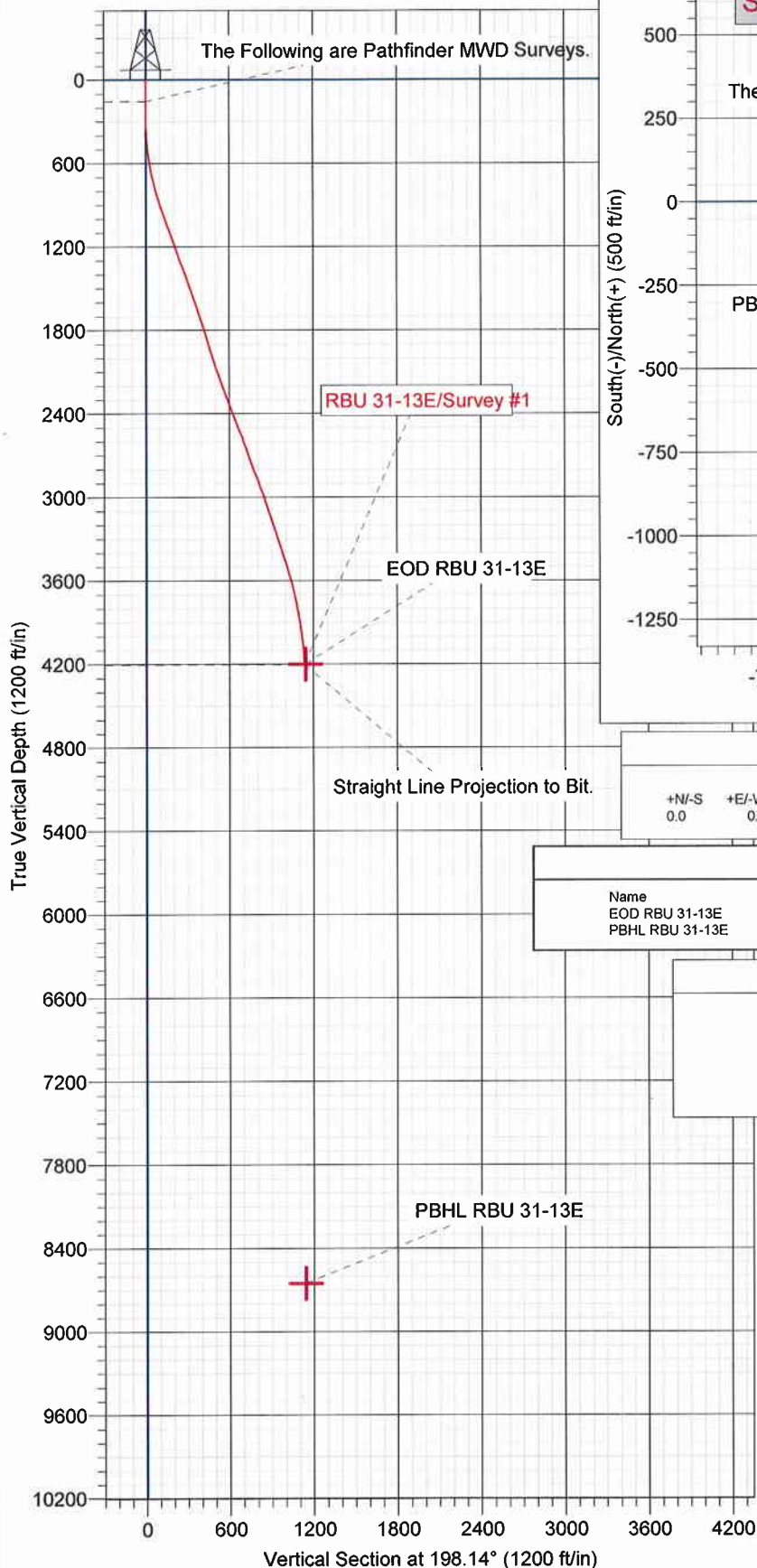
# PathFinder Energy Services, Inc.

## Survey Report

XTO Energy  
RBU 31-13E  
Uintah COUNTY, UT  
RIG:Frontier 6

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Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
3132.00	19.52	198.62	2992.54	63.00	843.64	803.29 S	257.83 W	843.65@	197.80	1.42
3196.00	18.73	197.56	3053.00	64.00	864.61	823.22 S	264.35 W	864.62@	197.80	1.35
3260.00	19.26	200.64	3113.52	64.00	885.43	842.89 S	271.17 W	885.44@	197.83	1.77
3324.00	18.55	202.84	3174.07	64.00	906.12	862.16 S	278.84 W	906.13@	197.92	1.57
3388.00	17.50	198.97	3234.93	64.00	925.89	880.64 S	285.92 W	925.89@	197.99	2.49
3451.00	18.03	199.15	3294.93	63.00	945.11	898.81 S	292.20 W	945.11@	198.01	0.85
3515.00	17.94	201.26	3355.80	64.00	964.85	917.35 S	299.02 W	964.85@	198.05	1.03
3579.00	17.50	197.92	3416.76	64.00	984.32	935.69 S	305.56 W	984.32@	198.08	1.73
3643.00	17.59	198.00	3477.79	64.00	1003.61	954.04 S	311.50 W	1003.61@	198.08	0.15
3706.00	16.97	199.15	3537.94	63.00	1022.32	971.78 S	317.46 W	1022.32@	198.09	1.12
3769.00	15.65	197.92	3598.41	63.00	1040.01	988.55 S	323.09 W	1040.01@	198.10	2.17
3832.00	13.72	196.16	3659.35	63.00	1055.98	1003.82 S	327.79 W	1055.98@	198.08	3.14
3896.00	12.31	196.51	3721.70	64.00	1070.38	1017.65 S	331.84 W	1070.39@	198.06	2.21
3960.00	10.64	197.12	3784.42	64.00	1083.11	1029.84 S	335.52 W	1083.11@	198.05	2.62
4023.00	9.67	199.94	3846.43	63.00	1094.22	1040.37 S	339.03 W	1094.22@	198.05	1.73
4086.00	8.97	197.48	3908.60	63.00	1104.42	1050.03 S	342.31 W	1104.42@	198.06	1.28
4150.00	7.65	199.41	3971.93	64.00	1113.66	1058.81 S	345.23 W	1113.67@	198.06	2.11
4213.00	6.33	198.35	4034.46	63.00	1121.33	1066.06 S	347.71 W	1121.33@	198.06	2.11
4277.00	5.28	196.86	4098.13	64.00	1127.80	1072.22 S	349.68 W	1127.80@	198.06	1.66
4339.00	4.75	192.03	4159.89	62.00	1133.21	1077.47 S	351.04 W	1133.21@	198.05	1.09
STRAIGHT LINE PROJECTION TO THE BIT.										
4384.00	4.75	192.03	4204.74	45.00	1136.91	1081.11 S	351.82 W	1136.91@	198.03	0.00



WELL DETAILS: RBU 31-13E

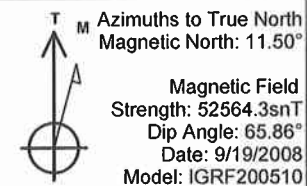
+N/-S	+E/-W	Northing	Easting	Ground Level:	Latitude	Longitude	Slot
0.0	0.0	7154275.03	2136886.62	5106.0	39° 56' 48.620 N	109° 43' 44.420 W	

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
EOD RBU 31-13E	4200.0	-1084.8	-355.4	39° 56' 37.898 N	109° 43' 48.983 W	Point
PBHL RBU 31-13E	8650.0	-1084.8	-355.4	39° 56' 37.898 N	109° 43' 48.983 W	Point

ANNOTATIONS

TVD	MD	Annotation
0.0	0.0	Tie into Surface.
155.0	155.0	The Following are Pathfinder MWD Surveys.
4204.7	4384.0	Straight Line Projection to Bit.



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-013765
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> XTO ENERGY INC		<b>7. UNIT or CA AGREEMENT NAME:</b> RIVER BEND
<b>3. ADDRESS OF OPERATOR:</b> 382 Road 3100 , Aztec, NM, 87410		<b>8. WELL NAME and NUMBER:</b> RBU 31-13E
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2433 FSL 2036 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 13 Township: 10.0S Range: 19.0E Meridian: S		<b>9. API NUMBER:</b> 43047385470000
<b>PHONE NUMBER:</b> 505 333-3159 Ext		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<input type="checkbox"/> <b>ACIDIZE</b>	
<input checked="" type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion: 3/30/2010	<input type="checkbox"/> <b>ALTER CASING</b>	
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> <b>CASING REPAIR</b>	
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> <b>CHANGE TO PREVIOUS PLANS</b>	
	<input type="checkbox"/> <b>CHANGE TUBING</b>	
	<input type="checkbox"/> <b>CHANGE WELL STATUS</b>	
	<input type="checkbox"/> <b>COMMINGLE PRODUCING FORMATIONS</b>	
	<input type="checkbox"/> <b>DEEPEN</b>	
	<input type="checkbox"/> <b>FRACTURE TREAT</b>	
	<input type="checkbox"/> <b>OPERATOR CHANGE</b>	
	<input type="checkbox"/> <b>PLUG AND ABANDON</b>	
	<input type="checkbox"/> <b>PRODUCTION START OR RESUME</b>	
	<input type="checkbox"/> <b>RECLAMATION OF WELL SITE</b>	
	<input type="checkbox"/> <b>REPERFORATE CURRENT FORMATION</b>	
	<input type="checkbox"/> <b>SIDETRACK TO REPAIR WELL</b>	
	<input type="checkbox"/> <b>TUBING REPAIR</b>	
	<input type="checkbox"/> <b>VENT OR FLARE</b>	
	<input type="checkbox"/> <b>WATER SHUTOFF</b>	
	<input type="checkbox"/> <b>SI TA STATUS EXTENSION</b>	
	<input type="checkbox"/> <b>WILDCAT WELL DETERMINATION</b>	
	<input checked="" type="checkbox"/> <b>OTHER</b>	
	OTHER: CLEANOUT & PWOP	
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> XTO Energy Inc. has cleaned out this well & put it on a pump per the attached summary report.		
<b>Accepted by the</b> <b>Utah Division of</b> <b>Oil, Gas and Mining</b> <b>FOR RECORD ONLY</b> April 05, 2010		
<b>NAME (PLEASE PRINT)</b> Barbara Nicol	<b>PHONE NUMBER</b> 505 333-3642	<b>TITLE</b> Regulatory Compliance Tech
<b>SIGNATURE</b> N/A	<b>DATE</b> 4/1/2010	

# EXECUTIVE SUMMARY REPORT

2/10/2010 - 4/1/2010  
Report run on 4/1/2010 at 11:09 AM

## Riverbend Unit 31-13E

Section 13-10S-19E, Uintah, Utah, Roosevelt

2/19/2010 EOT @ 8842'. WA/MV perfs fr/ 5676' - 9150'. First rpt to PWOP. MIRU  
TEMPLES WS rig #1. Bd well. Ppd dwn tbg w/20 bbls TFW & KW. ND WH, NU BOP.  
TIH w/12 jts 2-3/8" tbg, tgd fill @ 9194'. TOH w/206 jts 2-3/8" 4.7#, L-80,  
EUE, 8rd tbg. EOT @ 2457'. SWI & SDFWE.

2/22/2010 ===== Riverbend Unit 31-13E =====  
EOT @ 2457'. Bd well. Ppd dwn csg w/50 bbls TFW & KW. Contd TOH w/75 jts  
2-3/8" 4.7#, L-80, EUE, 8rd tbg, 2-3/8" SN & 1/2 BRS. Tbg showed very light  
external sc BU fr/ 8185' FS - EOT @ 8842'. Smpl taken for analysis.  
Retrieved BHBS in SN. TIH w/4-3/4" WO shoe, bumper sub & 280 jts 2-3/8" tbg,  
tgd fill @ 9196'. RU pwr swivel & AFU. Estb circion. CO 2' fill & FC @  
9198'. Contd CO fill to 9200'. Could not drl past that point, ( Hd drlg ).  
Circ hole cln for 1/2 hr. Ppd dwn tbg w/ 20 bbls TFW & kld tbg. RD pwr  
swivel & AFU. TOH w/80 jts 2-3/8" tbg. EOT @ 6580'. SWI & SDFN.

2/23/2010 ===== Riverbend Unit 31-13E =====  
EOT @ 6580'. Bd well. Ppd dwn csg w/50 bbls TFW & KW. Contd TOH w/200 jts  
2-3/8" tbg, LBS & 4-3/4" WO shoe. No recy of BRS. TIH w/ 3-3/4" OS w/3'  
extn, LBS, 2-3/8" SN & 281 jts 2-3/8" tbg. RU pwr swivel & AFU. Estb circ.  
Att to latch on to TOF @ 9198', wkd tbg up & dwn 4 times, tbg pld over stgr  
wt every time. Seen press incr while circ. Ppd dwn tbg w/15 bbls TFW & kld  
tbg. RD pwr swivel & AFU. TOH w/140 jts 2-3/8" tbg. EOT @ 4567'. SWI &  
SDFN.

2/24/2010 ===== Riverbend Unit 31-13E =====  
EOT @ 4567'. Bd well. Ppd dwn csg w/50 bbls TFW & KW. Contd TOH w/140 jts  
2-3/8" tbg, 2-3/8" SN, LBS & 3-3/4" OS. Recd BRS & bit. LD tls w/fish. TIH  
w/ 4-3/4" bit w/ bit sub, 2-3/8" SN & 281 jts 2-3/8" tbg, tgd fill @ 9200'.  
RU pwr swivel & AFU. Estb circion. CO 40' fill fr/ 9200' to new PBTD @  
9240'. Circ hole cln for 1 hr. Ppd dwn tbg w/30 bbls TFW & kld tbg. RD pwr  
swivel & AFU. TOH LD w/43 jts 2-3/8" tbg. EOT @ 7832'. SWI & SDFN

2/25/2010 ===== Riverbend Unit 31-13E =====  
EOT @ 7832'. Bd well. Ppd dwn csg w/ 50 bbls TFW & KW. Contd TOH LD w/238  
jts 4.7#, L-80, EUE, 8rd tbg, 2-3/8" SN & bit sub w/ 4-3/4" bit. TIH w/ 2-  
3/8" mule shoe col, 5-1/2" TAC, 10' x 2-3/8" 4.7#, N-80, EUE, 8rd tbg sub, 2'  
x 2-3/8" 4.7#, N-80, EUE, 8rd tbg sub w/ weep hole, 2-3/8" SN, 2-3/8" x 2-  
7/8" EUE, 8rd x over & 132 jts 2-7/8" 6.5#, EUE, N-80, Western Falco Enertube  
lined 8rd tbg. EOT @ 4377'. SWI & SDFN

2/26/2010 ===== Riverbend Unit 31-13E =====  
EOT @ 4377'. Bd well. Ppd dwn tbg w/ 20 bbls TFW & kld tbg. Contd TIH w/144  
jts 2-7/8" 6.5#, EUE, N-80, Western Falcon Enertube lined 8rd tbg. EOT @  
9196'. Drifted tbg while TIH w/ XTO 1.998 tbg broach. Att to set TAC w/no  
success. SWI & SDFWE.

3/1/2010 ===== Riverbend Unit 31-13E =====  
SN @ 9179'. EOT @ 9196'. Bd well. Ppd dwn csg w/40 bbls TFW & KW. RU pwr  
swivel. Set TAC @ 9196' w/12 K tens. RD pwr swivel. Ld tbg on hgr. ND  
BOP, NU WH. Fin equ run: 2-3/8" mule shoe col, 5-1/2" Tech Tac SH TAC, 10' x  
2-3/8" 4.7#, N-80, EUE, 8 rd tbg sub, 2' x 2-3/8" 4.7#, N-80, EUE, 8rd tbg  
sub w/ 1/2" weep hole, 2-3/8" SN, 2-3/8" x 2-7/8" EUE 8rd xo & 276 jts 2-7/8"  
6.5#, EUE, N-80, Western Falcon Enertube Lined 8rd tbg. SN @ 9179'. EOT @  
9196'. WA perfs fr/5676' - 6181'. MV perfs fr/7766' - 9150'. PBTD @ 9240'.  
RU AFU. Estb circion. Circ hole cln for 2 hrs. SWI & SDFN for rig rep.

## EXECUTIVE SUMMARY REPORT

2/10/2010 - 4/1/2010  
Report run on 4/1/2010 at 11:09 AM

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3/2/2010      ===== Riverbend Unit 31-13E =====  
SN @ 9179'. EOT @ 9196'. PBD @ 9240'. Bd well. PU & loaded new 2" x 1-  
1/4" x 16' x 19' RHBC pmp ( XTO #259 ) w/ 1" x 8' Mesh screen GAC. PU & TIH  
w/pmp, 26 K shear tl, 1 - 3/4" x 4' rod sub, 30 - 1-1/4" sbs, 312 - 3/4"  
Norris 96 slick skr d w/ " T " cplgs, 23 - 7/8" Norris 96 slick skr d w/SH  
cplgs, 2 - 3/4" rod sub ( 4', 2' ) & 1-1/2" x 26' PR. Seated pmp, PT tbg to  
500 psig w/26 BW. LS pmp to 1000 psig w/rig. Gd PA. SWO & clamped off  
rods for PU installation. SWI & RDMO Temples WS #1. Rpts suspdn turn well  
over to facilities.

3/30/2010      ===== Riverbend Unit 31-13E =====  
The River Bend Unit 31-13E PWOP. Stroke length 120". 3.00 SPM. This well is  
on Route #205. XTO allocation Meter # RS 1553 RF. RTU Group 10. Address  
78. Tap # 3 CDP Meter # RS 0931 C. RWTP @ 3:30p.m., 03/30/10. IFR 1200  
MCFPD, FTP 90 psig, FCP 400 psig. Final rpt. Start test data.

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-013765
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> XTO ENERGY INC		<b>7. UNIT or CA AGREEMENT NAME:</b> RIVER BEND
<b>3. ADDRESS OF OPERATOR:</b> PO Box 6501, Englewood, CO, 80155		<b>8. WELL NAME and NUMBER:</b> RBV 31-13E
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2433 FSL 2036 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 13 Township: 10.0S Range: 19.0E Meridian: S		<b>9. API NUMBER:</b> 43047385470000
<b>PHONE NUMBER:</b> 303 397-3727 Ext		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input checked="" type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/22/2013	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input checked="" type="checkbox"/> OTHER	
	OTHER: <input type="text" value="CLEAN OUT"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. XTO Energy Inc. has performed a cleanout & acid treatment on this well per the attached summary report.		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> May 30, 2013		
<b>NAME (PLEASE PRINT)</b> Barbara Nicol	<b>PHONE NUMBER</b> 303-397-3736	<b>TITLE</b> Regulatory Compliance Tech
<b>SIGNATURE</b> N/A	<b>DATE</b> 5/15/2013	



## **Riverbend Unit 31-13E**

**3/28/2013:** MIRU. RU & RIH w/fishing tls on sd ln. Att to retrv Plng & BHBS w/success. Ppd dwn tbg w/20 bbls TFW. Drop SV & PT tbg to 2,000 psig w/28 bbls TFW, 10", Tstd ok. RIH w/fishing tls on sd ln. Att to retrv SV w/success. POH w/fishing tl & SV. Unlanded tbg hgr. TIH w/17 jts 2-3/8" tbg, tgd fill @ 9,202'. ( 38' of fill fr/last CO @ 9,240' ). TOH w/165 jts 2-3/8", 4.7#, L-80, EUE, 8rd tbg.

**3/29/2013:** Contd TOH w/100 jts 2-3/8", 4.7#, L-80, EUE, 8rd tbg, 2-3/8" SN & 2-3/8" mule shoe col. Tbg cln fr/sc BU. TIH w/4-3/4" bit, 5-1/2" csg scr, 2-3/8" SN, 2 jts 2-3/8" tbg, 2-3/8" x 2' tbg sub & 278 jts 2-3/8" tbg to 9,175'. ( 25' below btm perf @ 9,150' ). TOH W/bit & scr. TIH w/2-3/8" mule shoe col, 2-3/8" SN & 165 jts 2-3/8", 4.7#, L-80, 8rd tbg.

**4/1/2013:** Contd TIH w/93 jts 2-3/8", 4.7#, L-80, EUE, 8rd tbg. EOT @ 8,491'. RU & RIH w/XTO 1.908 tbg broach to SN @ 8,490'. No ti spots. POH & LD broach. Ld tbg on hgr. MIRU ac equip. Held safety meeting. Ppd dwn tbg w/500 gals 15% HCL ac w/adds, flshd w/5 gals H2's scb & 32 bbls TFW, ISIP 0 psig. Ppd dwn csg w/250 gals 15% HCL ac w/adds. Flshd w/40 bbls TFW, ISIP 0 psig. Let ac soak over night.

**4/2/2013:** RDMO.

**4/3/2013:** MIRU SWU. Bd tbg to prod tk. RU swb tls & RIH. BFL @ 7,600' FS. S. 0 BO, 33 BW, 13 runs (10 hrs). FFL @ 7,800' FS. SITP 0 psig, SICP 231 psig. SWI & SDFN.

**4/4/2013:** RU swb tls & RIH. BFL @ 7,600' FS. S. 0 BO, 35 BW, 15 runs (10 hrs). FFL @ 7,600' FS. Dropd same BHBS w/SV & AD. SITP 0 psig, SICP 225 psig. SWI & SDFN.

**4/6/2013:** RU swb tls & RIH. BFL @ 7,600' FS. S. 0 BO, 20 BW, 11 runs (10 hrs). FFL @ 8,200' FS. Well KO flwg. SITP 140 psig, SICP 226 psig. Dropd used PCS bar stk plngr & SWI for 60". Cycld plngr w/no success. SITP 0 psig, SICP 209 psig. SWI & SDFWE.

**4/8/2013:** RU swb tls & RIH. BFL @ 7,700' FS. S. 0 BO, 19 BW, 8 runs (10 hrs). FFL @ 8,200' FS. Well KO flwg. SITP 150 psig, SICP 212 psig. Dropd new PCS bar stk plngr & SWI for 60". Cycld plngr w/no success. SITP 0 psig, SICP 230 psig. SWI & SDFN.

**4/9/2013:** RU swb tls & RIH. BFL @ 7,700' FS. S. 0 BO, 18 BW, 8 runs (10 hrs). FFL @ 8,100' FS. SITP 25 psig, SICP 213 psig. Swb tls backed off & fell down hole. RU 1.5" OS & RIH. Tgd @ SN. POH. Rec swb tls. SITP 0 psig, SICP 210 psig. SWI & SDFN.

**4/10/2013:** RU swb tls & RIH. BFL @ 7,800' FS. S. 0 BO, 13 BW, 10 runs (9 hrs). FFL @ 8,100' FS. SITP 20 psig, SICP 176 psig. SWIFBUP. RDMO SWU.

**4/18/2013:** MIRU SWU. RU swb tls & RIH. BFL @ 7,700' FS. S. 0 BO, 22 BW, 8 runs (10 hrs). FFL @ 7,800' FS. Well KO flwg. SITP 132 psig, SICP 224 psig. Dropd same PCS BHBS w/SV & AD & New PCS sgl pad plngr & SWI for 60". Cycld plngr to surf w/no success. SWI & SDFWE.

**4/22/2013:** MIRU SWU. RU swb tls & RIH. BFL @ 7,700' FS. S. 0 BO, 14 BW, 6 runs (7 hrs). FFL @ 7,900' FS. Well KO flwg. SITP 177 psig, SICP 226 psig. Dropd same new PCS sgl pad plngr & SWI for 60". Cycld plngr to surf & RWTP 04/22/2013. RDMO SWU.

=====Riverbend Unit 31-13E=====